

**SONY®**

VIDEOCASSETTE RECORDER

**BVU-950P**



Professional **U-matic** **SP**

MAINTENANCE MANUAL

Volume 2 1st Edition (Revised 16)

Serial No.10001 and Higher

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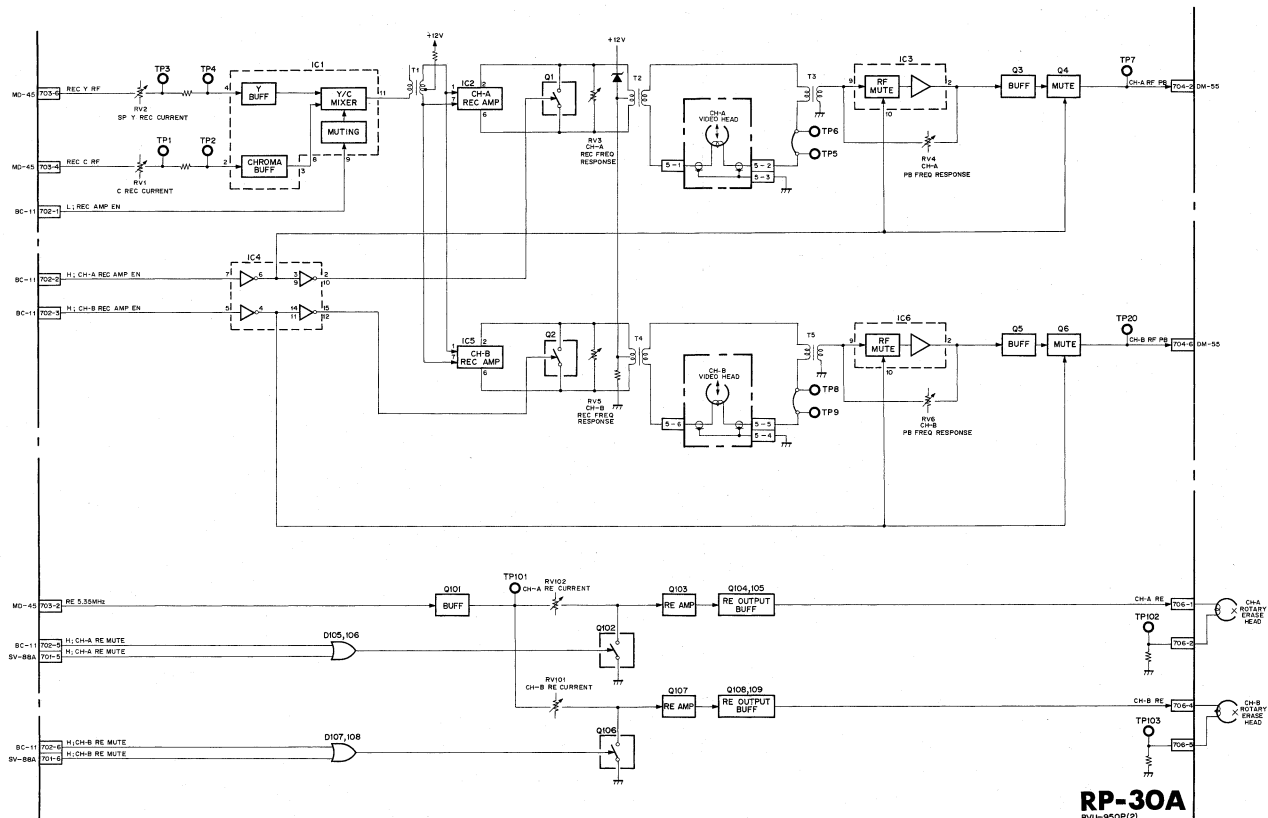
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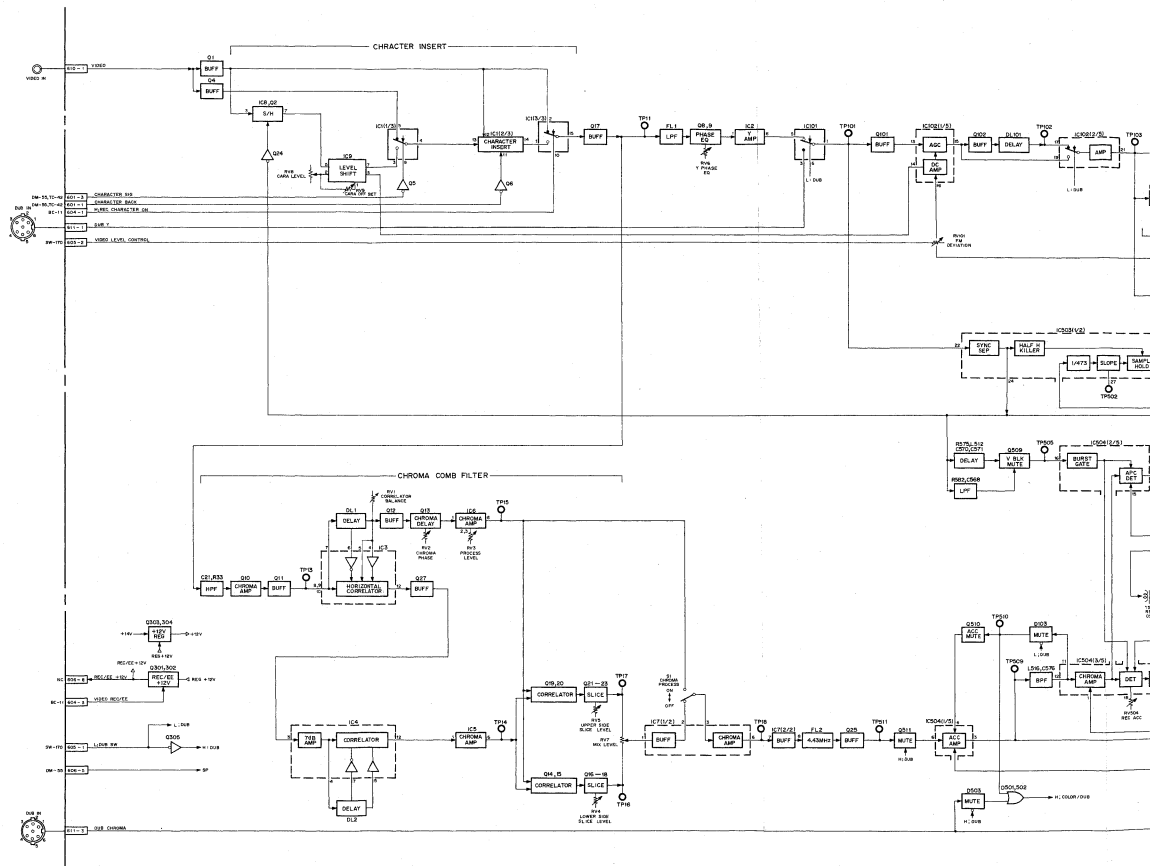
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RF REC/PB /ROTARY ERASE



## Y/C MODULATOR



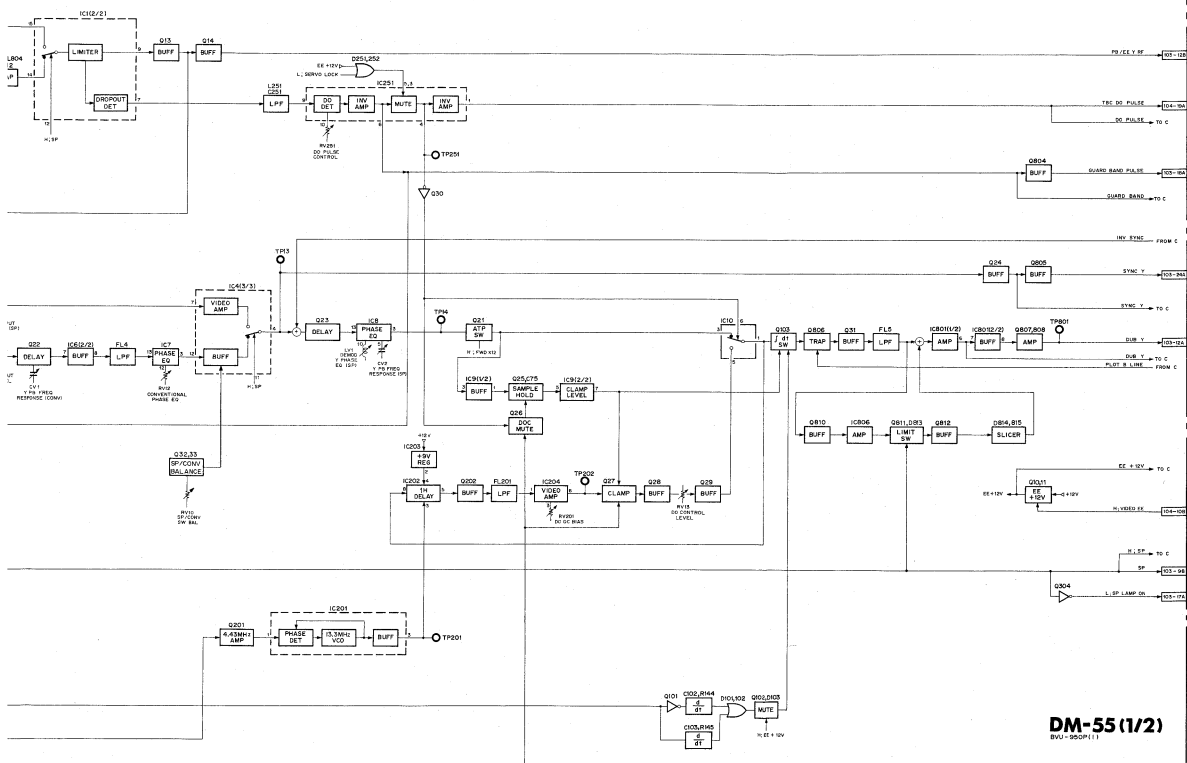
### Y/C MODULATOR



Y DEMODULATOR	Y DEMODULATOR
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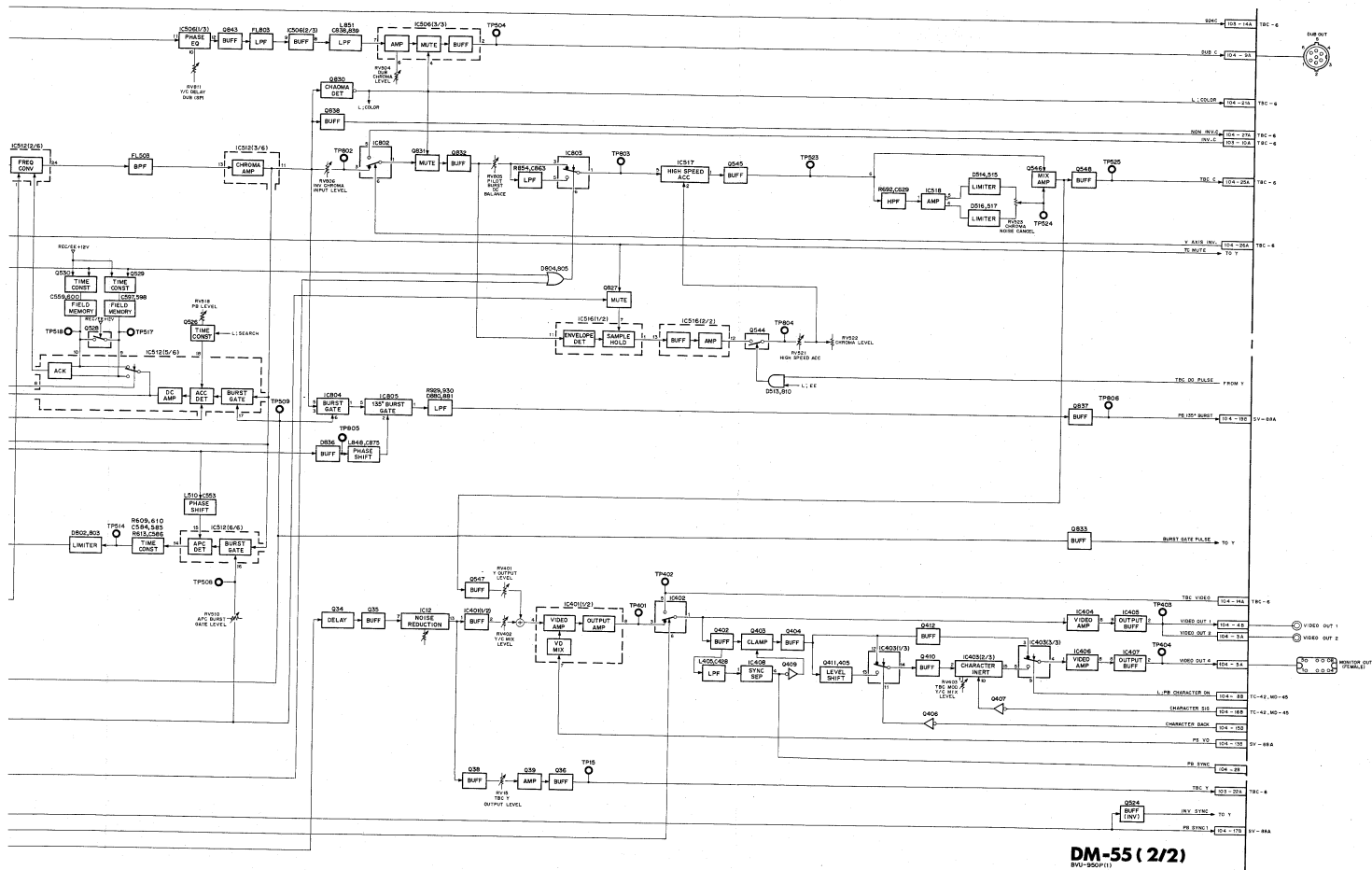




**DM-55(1/2)**  
 BVU-550P(11)

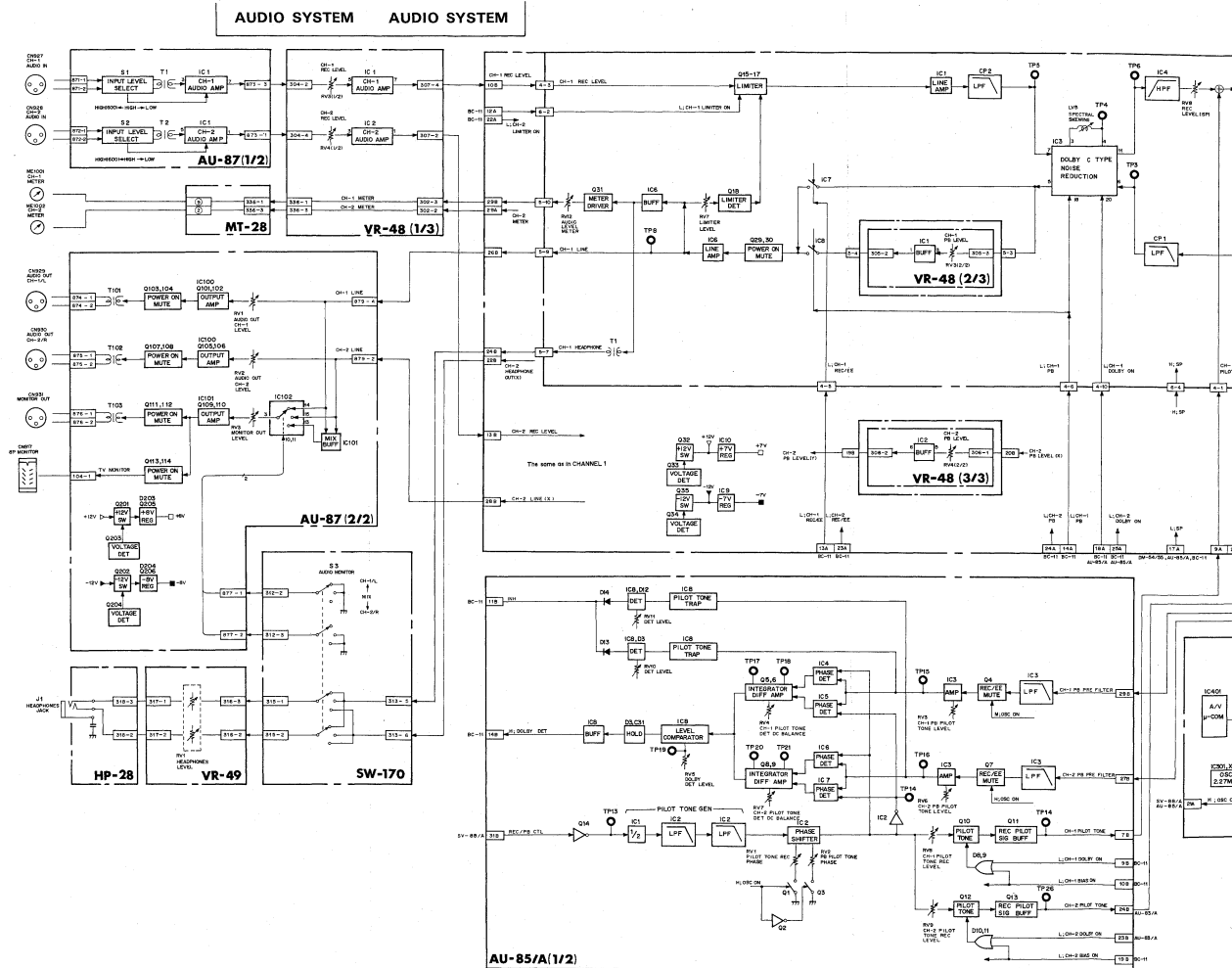
C DEMODULATOR      C DEMODULATOR



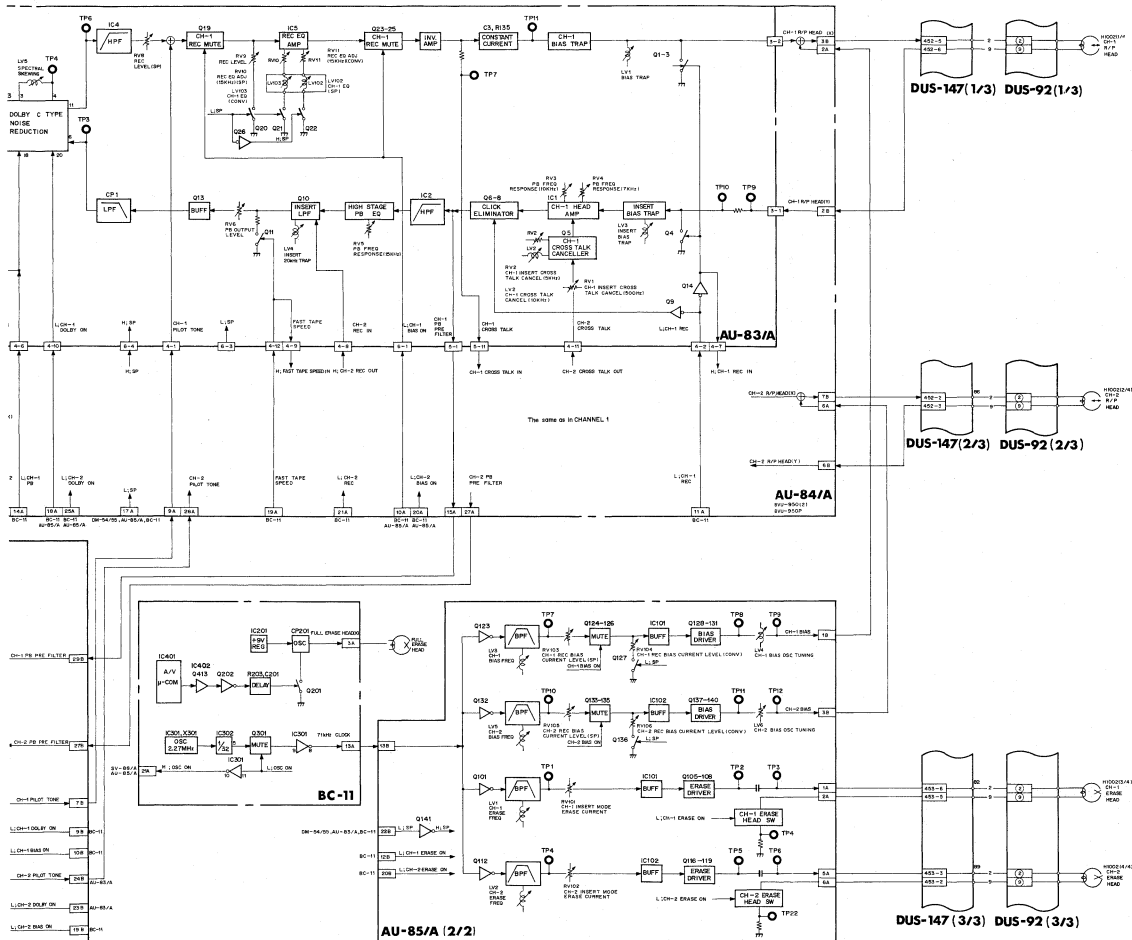


DM-55 (2/2)  
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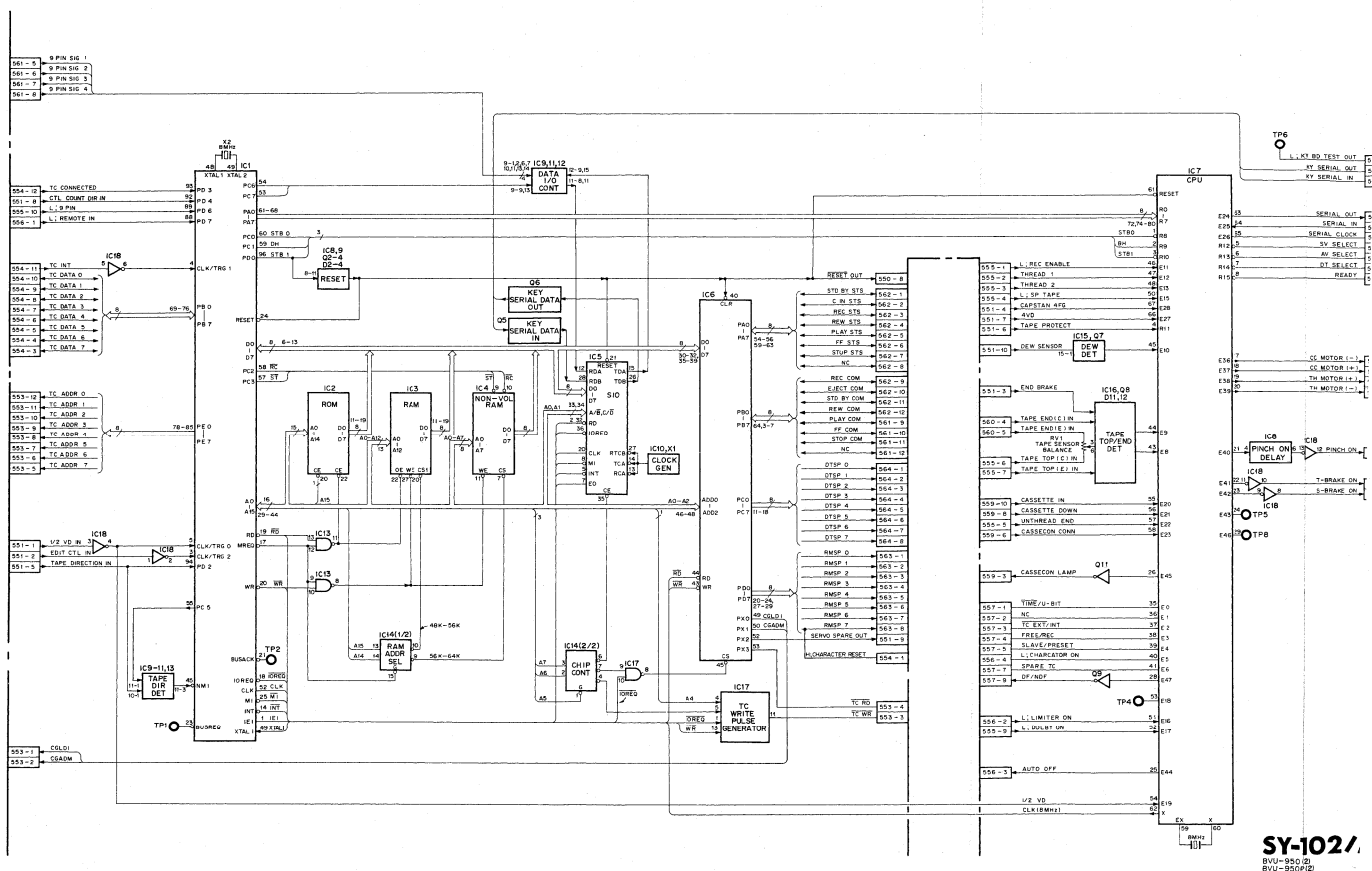
# AUDIO SYSTEM



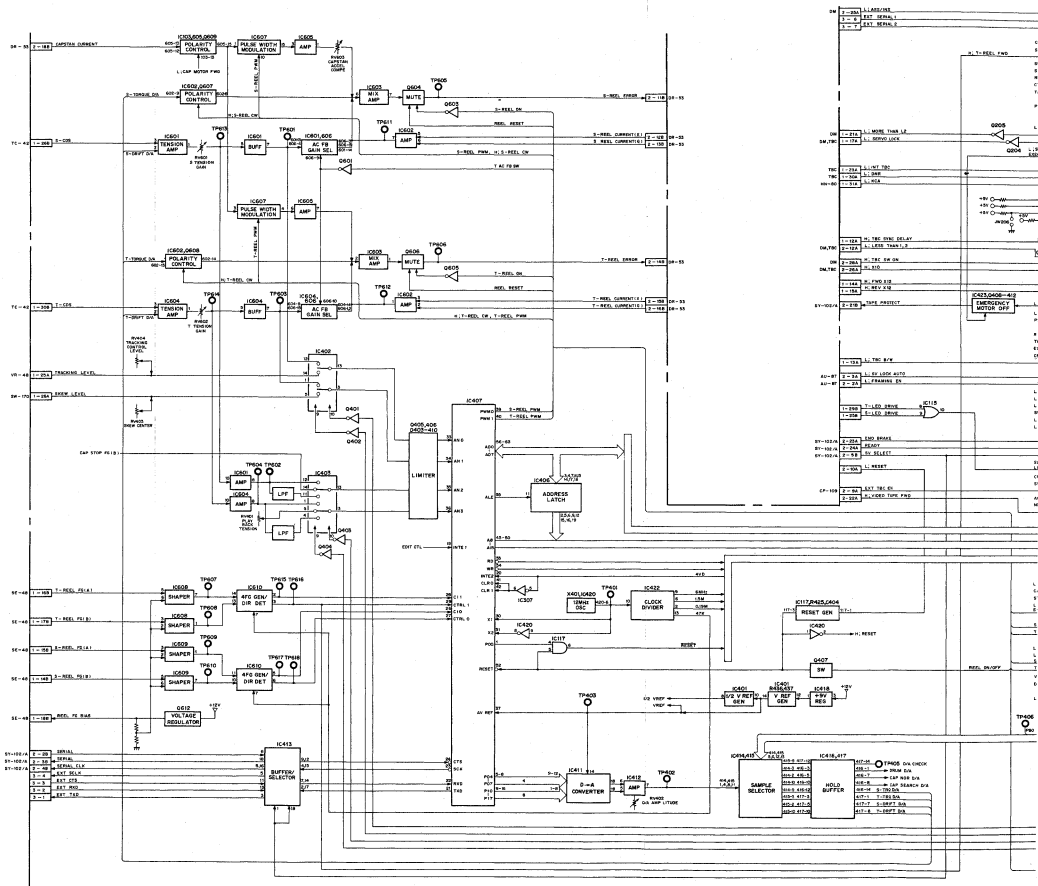
**AUDIO SYSTEM      AUDIO SYSTEM**



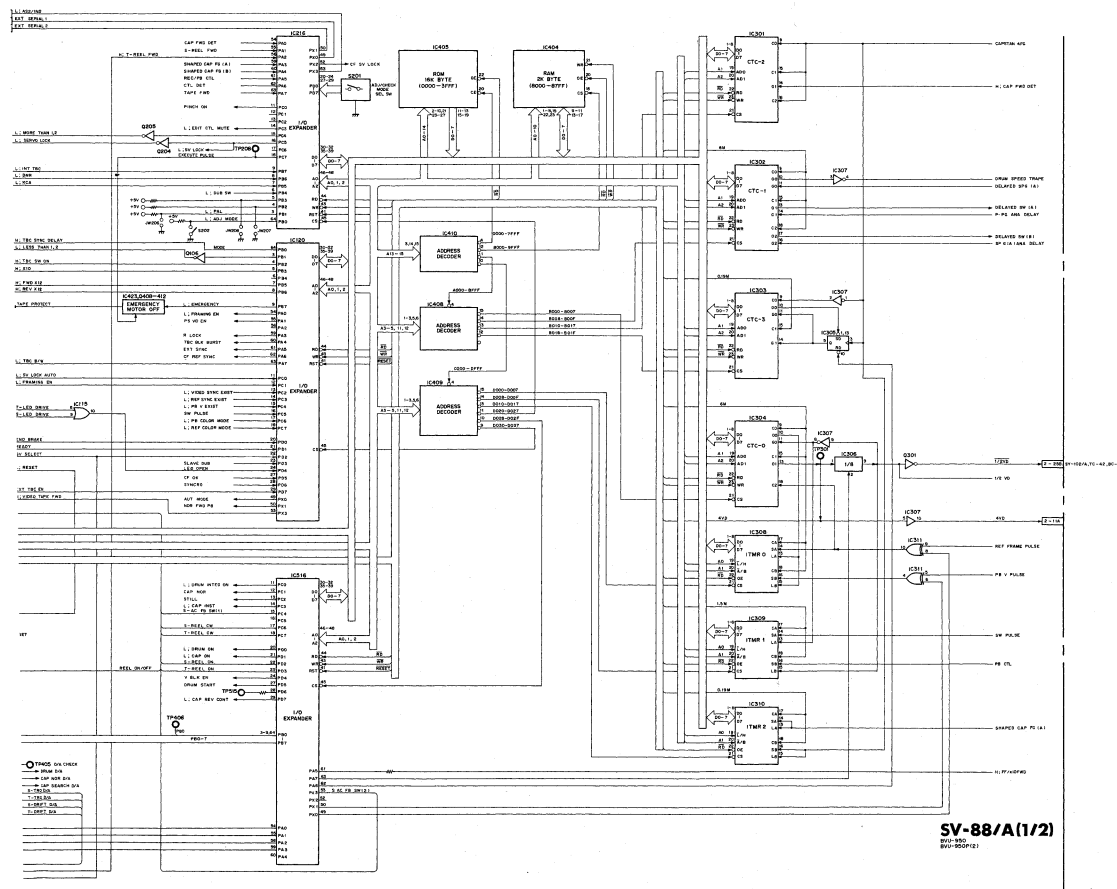
SYSTEM CONTROL/FUNCTION KEY BOARD





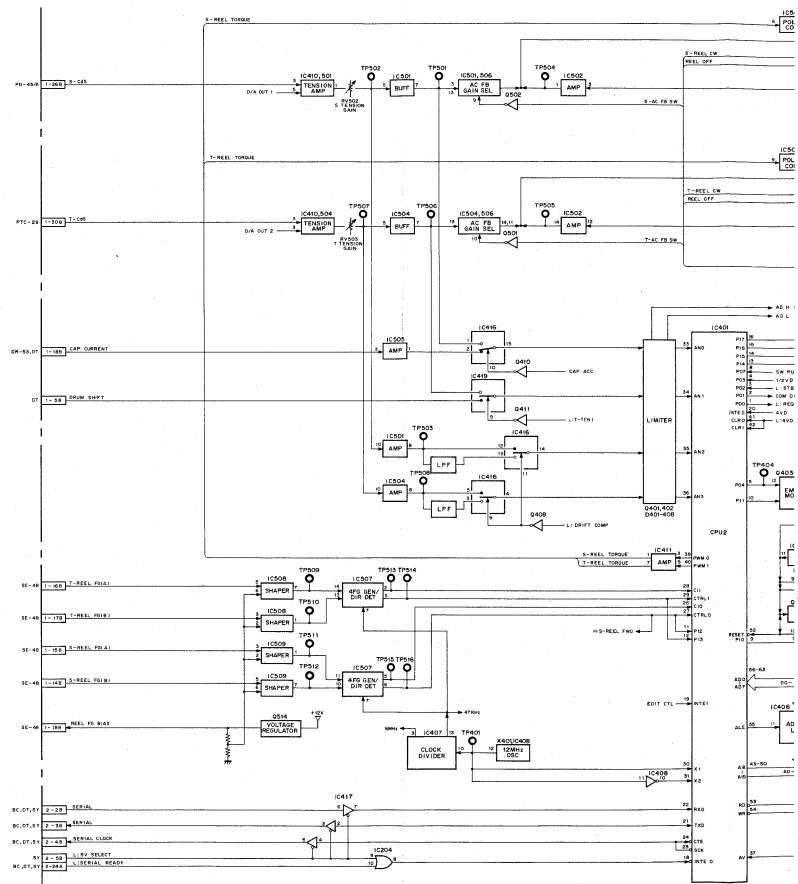


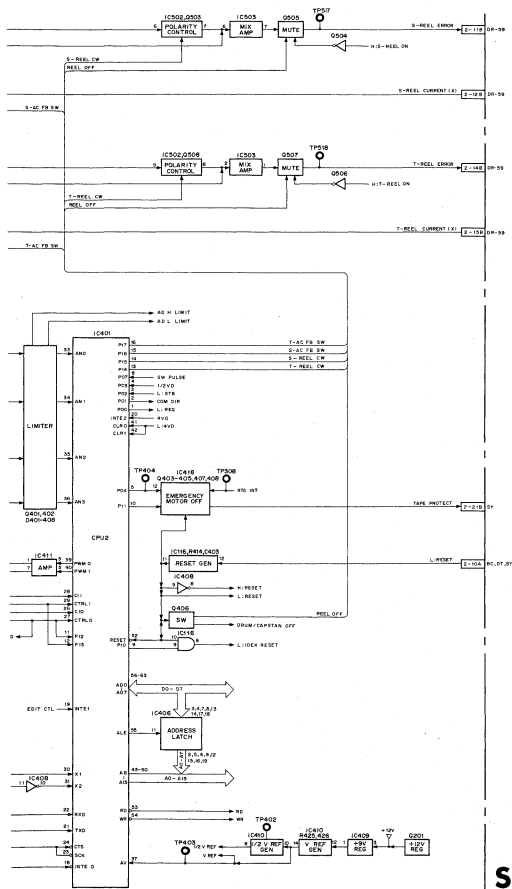




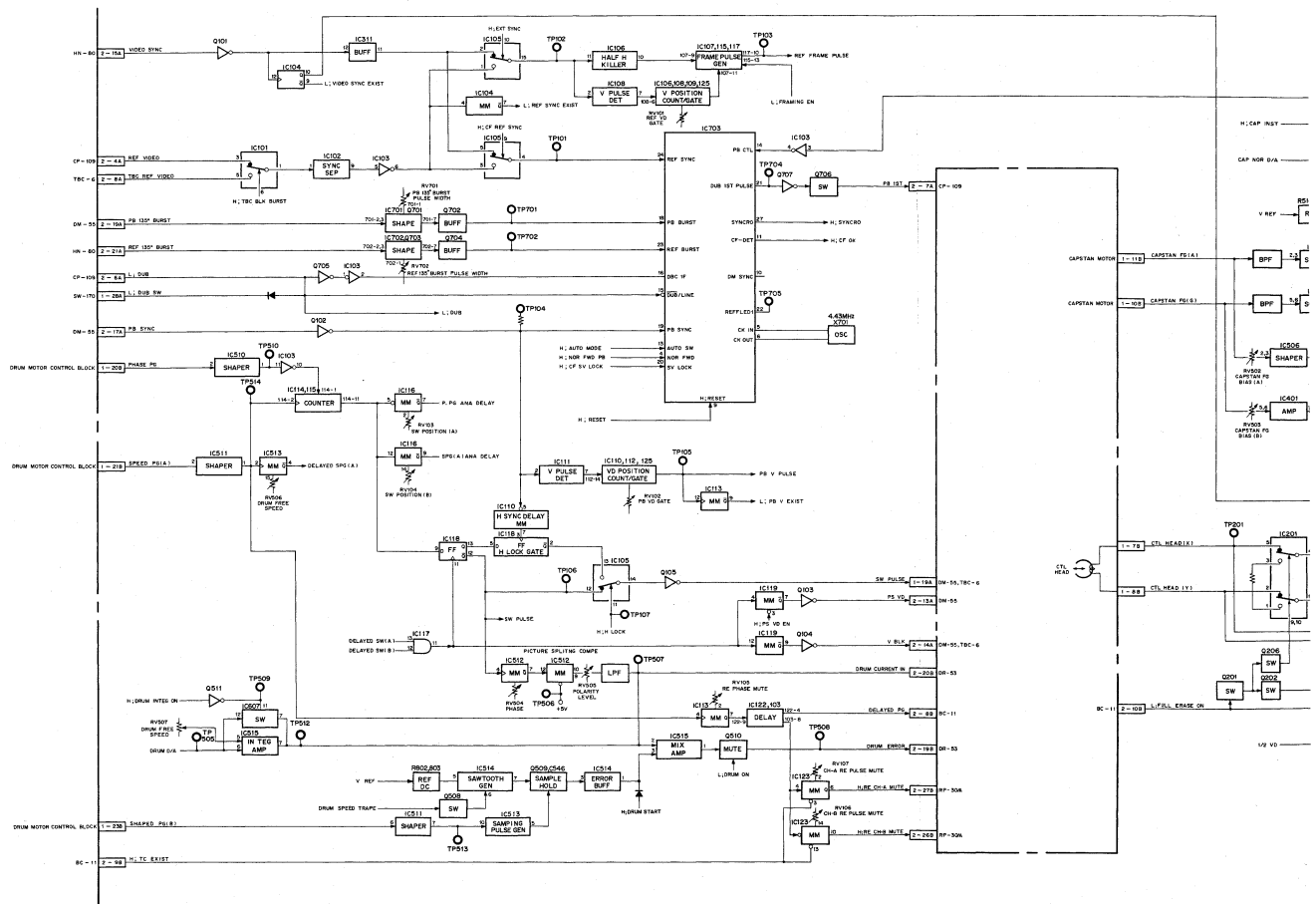
SV-88/A(1/2)  
SV-88/A  
SV-88/A(1/2)

REEL SERVO      REEL SERVO

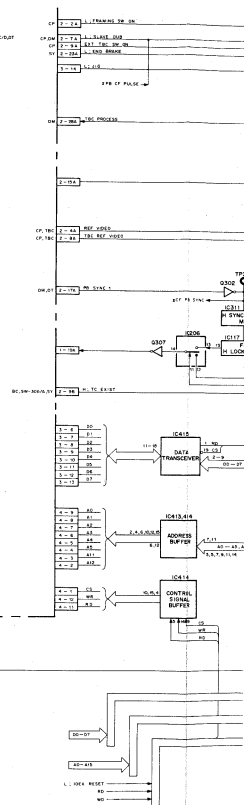
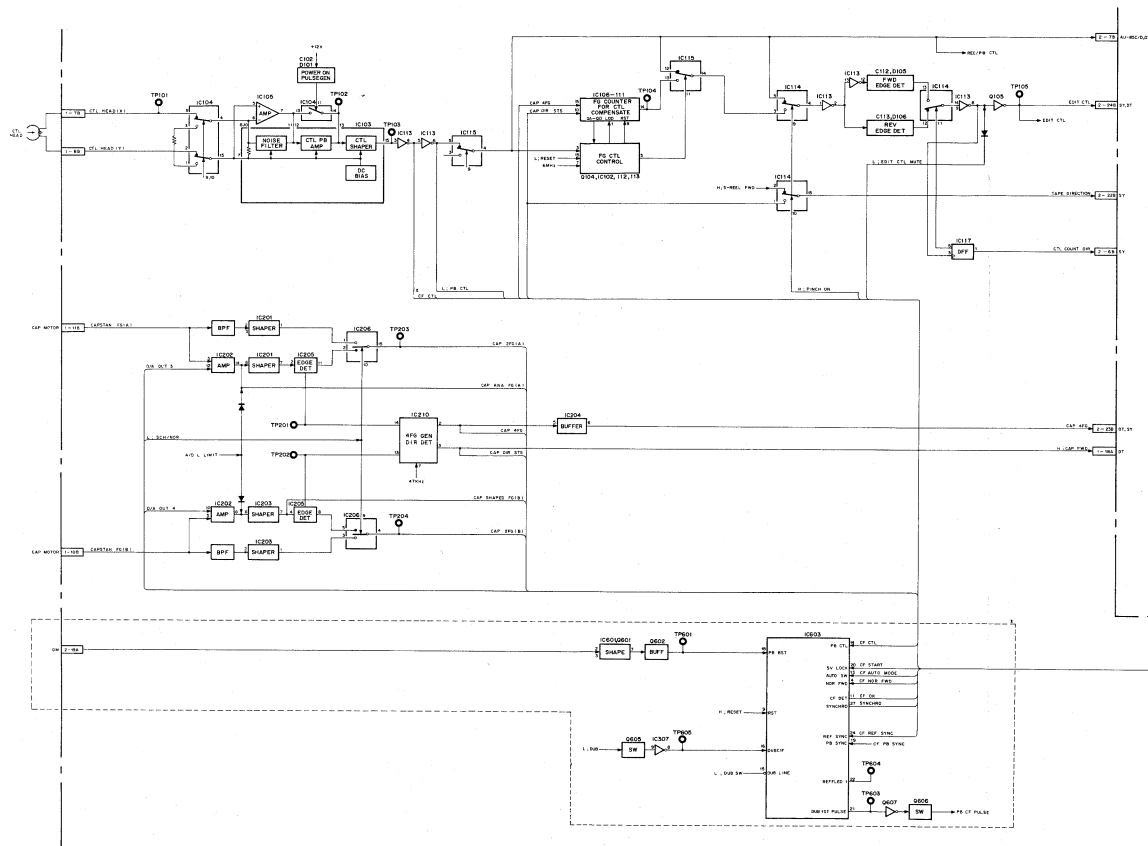


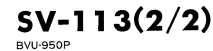


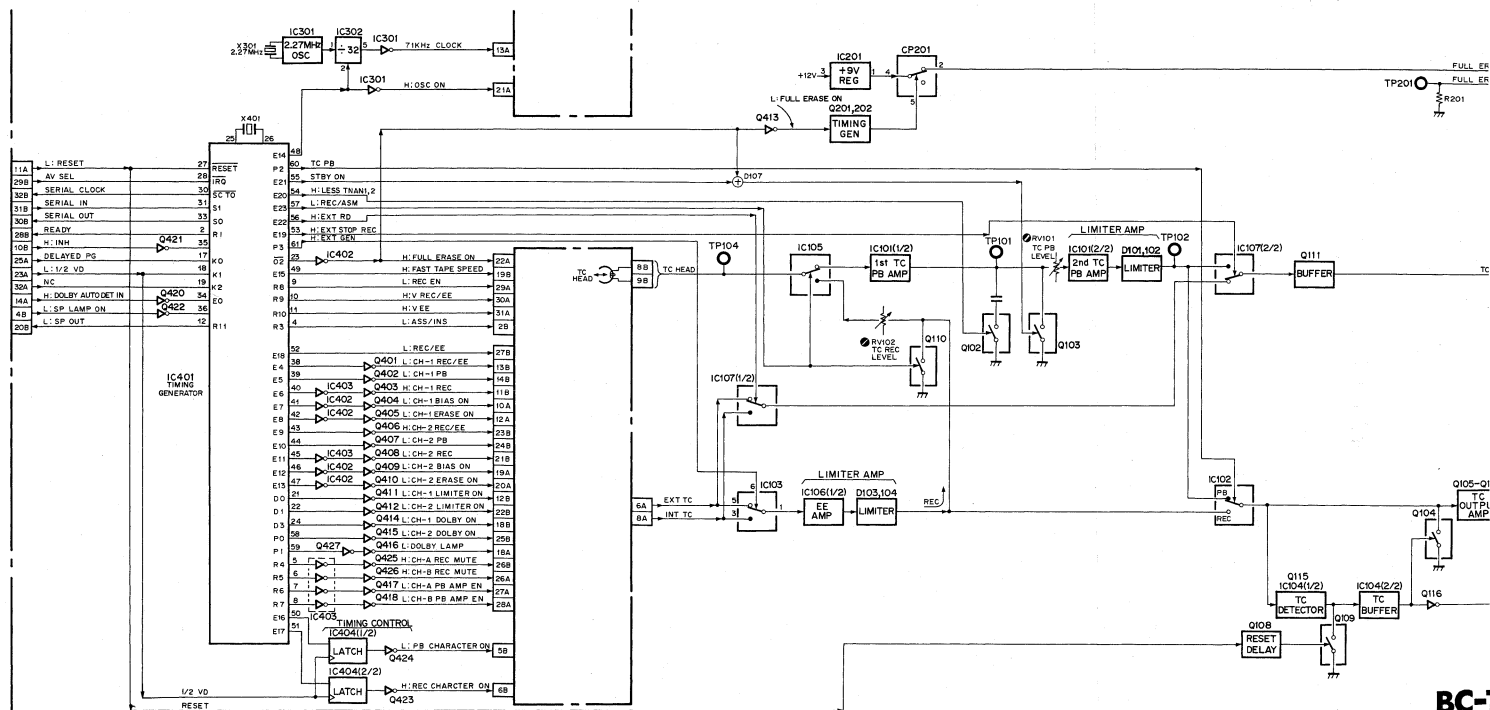
**SV-113(1/2)**  
BVU-950P



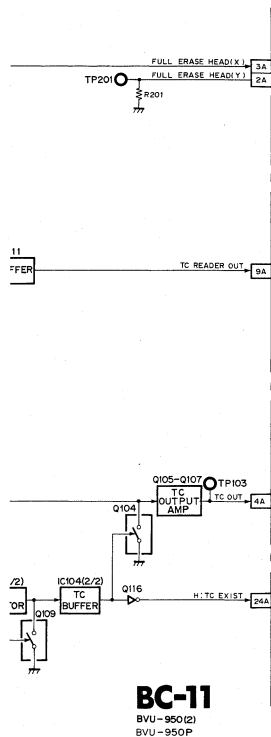




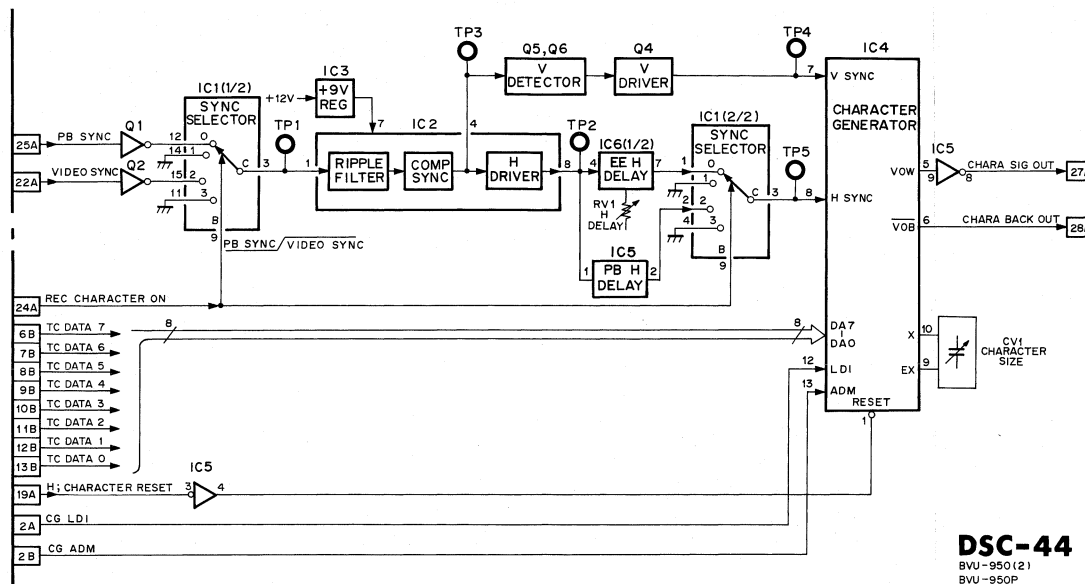








CHARACTER GENERATOR



**DSC-44**  
BVU-950(2)  
BVU-950P

## SECTION 15

### SEMICONDUCTOR ELECTRODES

ここに記載されているIC、トランジスタ、ダイオードは、それぞれの機能を等価的に表わしたものです。したがって互換性を表わすものではありません。(互換性のない型名が併記されている事もあります。) 部品の交換をする時は、SPARE PARTSの章を参照して下さい。

ICs, transistors and diodes whose functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC	PAGE	IC	PAGE	IC	PAGE
27128-25	15-3	CXK5816PN-15	15-9	TA7060AP	15-17
AN607P	15-3	CXK5816PN-15L	15-9	TA7357AP	15-17
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BX373AL	15-5	MB88551H	15-12	TC4071BP	15-19
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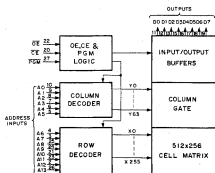
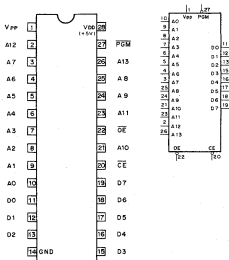
等価回路はICメーカーのData Bookに従いました。

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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		DTC144ES.....	15-26		
		TX429M.....	15-26		

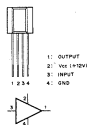
27128-26 (INTEL) (ACCESS TIME - 250 nS)  
N-MOS UV EPROM 128K-BIT (16384B)  
— TOP VIEW —



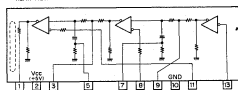
TERMINAL MODE	CE	DE	PGM	Vpp	Vcc	OUTPUTS
READ	0	0	1	+5V	+5V	DATA OUT
STANDBY	1	X	X	+5V	+5V	HIGH IMPEDANCE
PROGRAMMING	0	1	0	+21V	+21V	DATA IN
PROGRAM VERIFY	0	0	1	+21V	+5V	DATA OUT
PROGRAM INHIBIT	1	X	X	+21V	+5V	HIGH IMPEDANCE
HIGH SPEED PROGRAMMING	0	1	0	+21V	+6V	DATA IN

1: TTL LEVEL HIGH VOLTAGE IN  
0: TTL LEVEL LOW VOLTAGE IN  
X: DON'T CARE (1 OR 0)

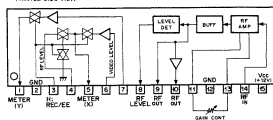
AN807P (MATSUSHITA)  
AN808P (MATSUSHITA)  
WIDE BAND AMPLIFIER  
— PRINTED SIDE VIEW —



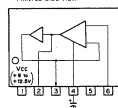
BX114DL (ROHM)  
HF AMP  
— REAR VIEW —



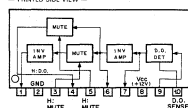
BX124BL (ROHM)  
RF AND VIDEO LEVEL METER DRIVER  
— PRINTED SIDE VIEW —



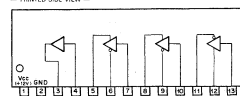
BX124TL (ROHM)  
LOWER FREQUENCY BOOSTER AMPLIFIER  
— PRINTED SIDE VIEW —



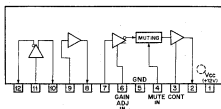
BX124BL (ROHM)  
DROPOUT DETECTOR  
— PRINTED SIDE VIEW —



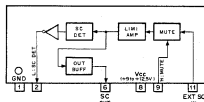
BX134BL (ROHM)  
VIDEO PHASE EQUALIZER  
— PRINTED SIDE VIEW —



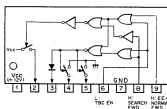
BX1250L (ROHM)  
CHROMA OUTPUT AMPLIFIER  
— REAR VIEW —



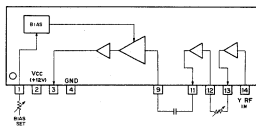
BX1251L (ROHM)  
EXTERNAL SUBCARRIER AMPLIFIER  
— PRINTED SIDE VIEW —



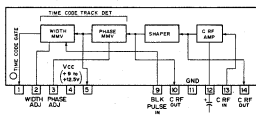
BX1252AL (ROHM)  
TRC SEARCH/STILL VCO SHIFT SWITCH  
— PRINTED SIDE VIEW —



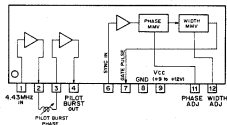
BX1257L (ROHM)  
Y-RF SIDE BAND EQUALIZER  
— PRINTED SIDE VIEW —



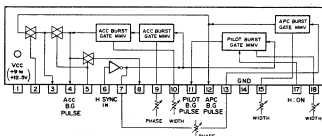
BX1258L (ROHM)  
TIME CODE MUTE GENERATOR  
— PRINTED SIDE VIEW —



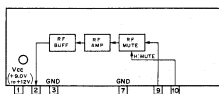
BX1262L (ROHM)  
PILOT BURST INSERTER  
— PRINTED SIDE VIEW —



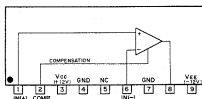
BX1284L (ROHM)  
ACC/APC BURST GATE PULSE GENERATOR  
— PRINTED SIDE VIEW —



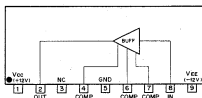
BX1285L (ROHM)  
VIDEO HEAD AMPLIFIER/MUTING  
— PRINTED SIDE VIEW —



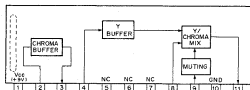
BX365AL (ROHM)  
VIDEO AMPLIFIER  
— SIDE VIEW —



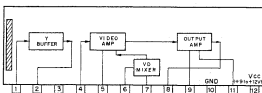
BX386AL (ROHM)  
VIDEO BUFFER  
— SIDE VIEW —



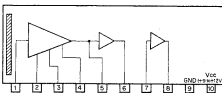
EX373AL (ROHM)  
MIX AMP  
— REAR VIEW —



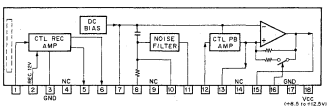
EX388L (ROHM)  
VIDEO AMP/VIS MIXER  
— PRINTED SIDE —



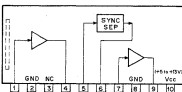
EX388L (ROHM)  
VIDEO AMPLIFIER  
— PRINTED SIDE —



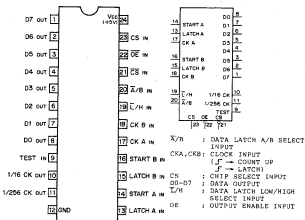
EX3914 (SONY)  
CTL REC/PB AMPLIFIER  
— PRINTED SIDE —



EX3915A (SONY)  
SYNC SEPARATOR  
— PRINTED SIDE —

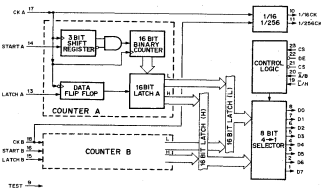


CF77074NT (TI)  
CLOCK COUNTER  
— TOP VIEW —

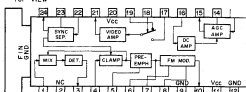


MODE SELECT	INPUT	OUTPUT
0	X X X X X	DO-D7
1	0 0 0 0 1	LATCH A LOW BYTE
1	0 0 0 1 0	LATCH A HIGH BYTE
1	0 0 1 0 0	LATCH B LOW BYTE
1	0 0 1 1 0	LATCH B HIGH BYTE
0	X X X X X	HI-Z

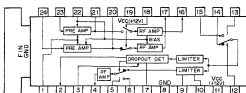
0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE  
HI-Z: HIGH IMPEDANCE



CX134A (SONY)  
— TOP VIEW —



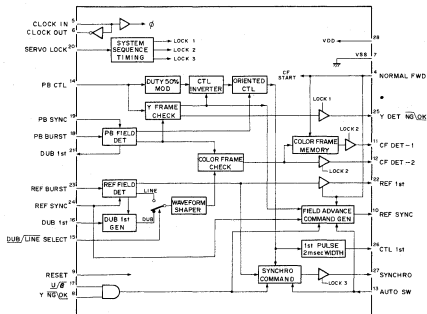
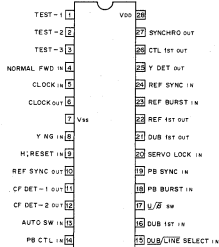
CX134A (SONY)  
HEAD AMP/DROPOUT COMPENSATOR  
— TOP VIEW —



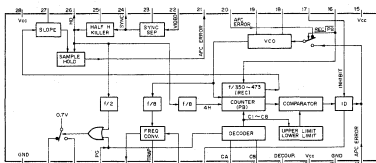
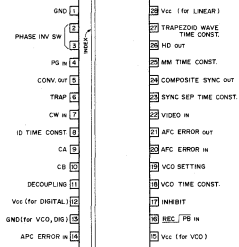




CX7928 (SONY)  
C-MOS COLOR FRAMING CONTROL (PAL/SECAM)  
—TOP VIEW—



CX859 (SONY)  
—TOP VIEW—



DECODER TRUTH TABLE

CB	CA	LOW	OPEN	HIGH
LOW	C1	C7	---	---
OPEN	C4	C5	C6	---
HIGH	---	W C E	C3	C8

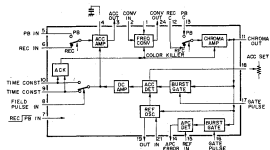
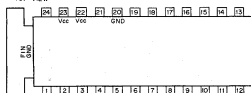
N PG L --- C2  
PG H --- C3

APC/APC PRESET DATA

	APC COUNT DOWN	APC ID COUNT
C1	7/473	105
C2	7/351	129
C3	7/353	137
C4	7/351	118
C5	7/351	131
C6	7/351	144
C7	7/350	136
C8	---	125

## CX872 (SONY)

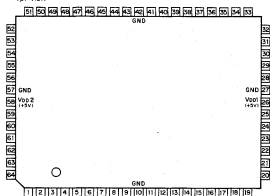
— TOP VIEW —



## CXK10950 (SONY) FLAT PACKAGE

C-MODE I/O PORT EXPANDER

— TOP VIEW —

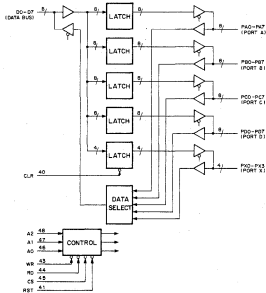


PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	Q	Q	PC6	33			NC	49	Q	Q	PX0
2			NC	18	Q	Q	PC7	34			NC	50	Q	Q	PX1
3	Q	Q	PB1	19	Q	Q	NC	35	Q	Q	D3	51			NC
4	Q	Q	PB2	20	Q	Q	PD0	36	Q	Q	D4	52	Q	Q	PX2
5	Q	Q	PB3	21	Q	Q	PD1	37	Q	Q	D5	53	Q	Q	PX3
6	Q	Q	PB4	22	Q	Q	PD2	38	Q	Q	D6	54	Q	Q	PA0
7	Q	Q	PB5	23	Q	Q	PD3	39	Q	Q	D7	55	Q	Q	PA1
8	Q	Q	PB6	24	Q	Q	PD4	40	Q	Q	CLR	56	Q	Q	PA2
9	Q	Q	PB7	25			GND	41	Q	Q	RST	57			GND
10			GND	26	Q	Q	VDD+1.5V	42			GND	58	Q	Q	PA3
11	Q	Q	PC0	27	Q	Q	P05	43	Q	Q	WR	59	Q	Q	PA4
12	Q	Q	PC1	28	Q	Q	P06	44	Q	Q	RD	60	Q	Q	PA5
13	Q	Q	PC2	29	Q	Q	P07	45	Q	Q	CS	61	Q	Q	PA6
14	Q	Q	PC3	30	Q	Q	D0	46	Q	Q	AO	62	Q	Q	PA7
15	Q	Q	PC4	31	Q	Q	D1	47	Q	Q	A1	63	Q	Q	PA8
16	Q	Q	PC5	32	Q	Q	D2	48	Q	Q	A2	64	Q	Q	PB0

PIN	CS	RD	WR	AZ	A1	AD	MODE
PA0	0	0	1	0	0	0	PORT A ← DATA BUS
PA1	0	0	1	0	0	1	PORT B ← DATA BUS
PA2	0	0	1	0	1	0	PORT C ← DATA BUS
PA3	0	0	1	0	1	1	PORT D ← DATA BUS
PA4	0	0	1	1	0	0	PORT X ← DATA BUS
PA5	0	0	1	1	0	1	—
PA6	0	0	1	1	1	0	—
PA7	0	0	1	1	1	1	—
PA8	0	0	1	1	1	1	—
PA9	0	1	0	0	0	0	DATA BUS ← PORT A
PA10	0	1	0	0	0	1	DATA BUS ← PORT B
PA11	0	1	0	0	1	0	DATA BUS ← PORT C
PA12	0	1	0	0	1	1	DATA BUS ← PORT D
PA13	0	1	0	1	0	0	DATA BUS ← PORT X
PA14	0	1	0	1	0	1	—
PA15	0	1	0	1	1	0	DATA BUS ← CTL REG. 1
PA16	0	1	0	1	1	1	DATA BUS ← CTL REG. 2
PA17	1	X	X	X	X	X	DATA BUS; H ← Z

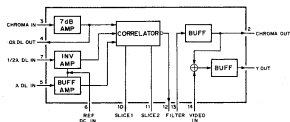
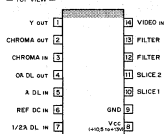
0: LOW LEVEL  
 1: HIGH LEVEL  
 X: DON'T CARE  
 H ← Z: HIGH IMPEDANCE

DO ← D7: DATA BUS INPUTS/OUTPUTS  
 CS: CHIP SELECT INPUT  
 RD: READ STROBE INPUT  
 WR: WRITE STROBE INPUT  
 AO ← A2: ADDRESS INPUT  
 RST: RESET INPUT  
 CLR: CLEAR INPUT  
 PA0-PA7: PORT A INPUTS/OUTPUTS  
 PA8-PA17: PORT B INPUTS/OUTPUTS  
 PC0-PC7: PORT C INPUTS/OUTPUTS  
 PD0-PD7: PORT D INPUTS/OUTPUTS  
 PX0-PX3: PORT X INPUTS/OUTPUTS

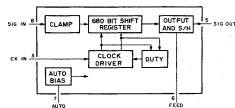
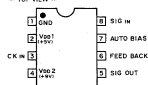




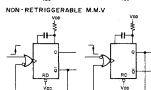
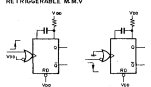
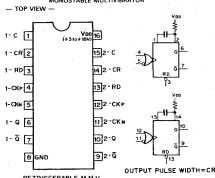
CHROMA CROSS-COLOR NOISE REDUCER/EDGE COMPENSATOR  
— TOP VIEW —



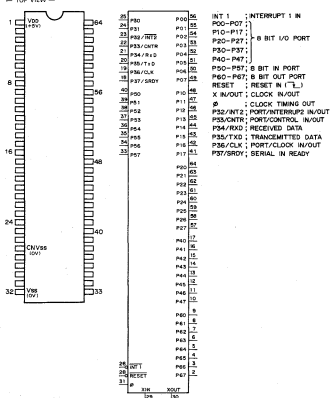
— TOP VIEW —

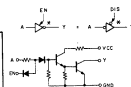


TC4538BP (TOSHIBA)  
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE  
MONOSTABLE MULTIVIBRATOR



C-MOS PROCESS 8-BIT ONE CHIP MICROCOMPUTER.  
— TOP VIEW —

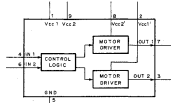
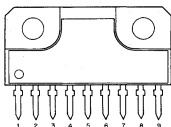




A	EN	Y
0	1	1
1	1	0
X	0	1

0; LOW LEVEL  
 1; HIGH LEVEL  
 X; DON'T CARE  
 \*; OPEN COLLECTOR

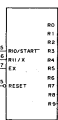
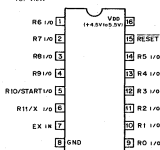
MB4543L (MITSUBISHI)  
BI-DIRECTIONAL MOTOR DRIVER  
— SIDE VIEW —



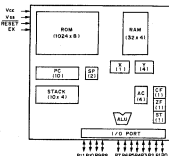
IN		OUT		MODE
1	2	1	2	
0	0	2	2	NO OPERATION
1	0	1	0	ROTATION
0	1	0	1	REVERSE ROTATION
1	1	0	0	BRAKE

0: LOW LEVEL  
1: HIGH LEVEL  
2: HIGH IMPEDANCE

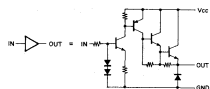
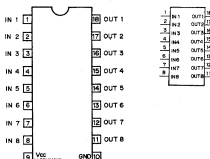
MB86201H-539N (FUJITSU)  
C-MOS 4-BIT MICROCOMPUTER  
— TOP VIEW —



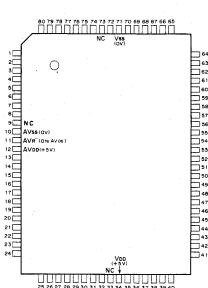
EX: EXTERNAL XTAL IN  
R0-R11: I/O PORT(R) IN/OUT  
RESET: RESET IN  
START: STANDBY RELEASE IN  
R11/X: EXT CLOCK IN/INT CLOCK OUT



MS4562P (MITSUBISHI)  
SOURCE TYPE DARLINGTON TRANSISTOR ARRAY  
— TOP VIEW —



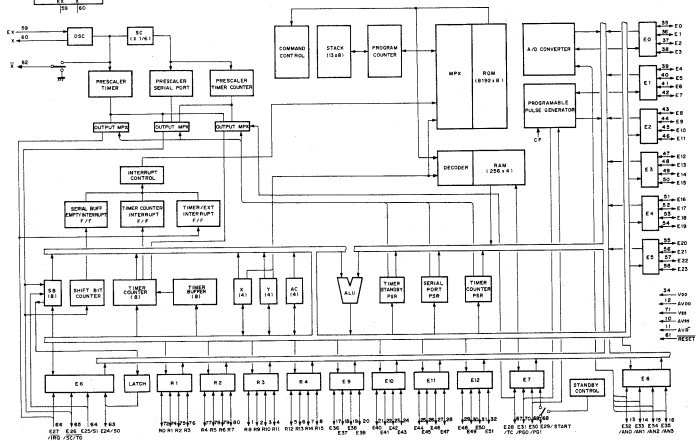
MB8651-N (FUJITSU) FLAT PACKAGE  
C-MOS 4-BIT ONE-CHIP MICROPROCESSOR  
— TOP VIEW —



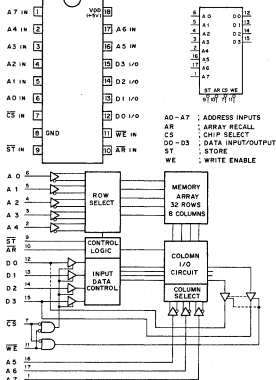
IN	OUT	SYMBOL	IN	OUT	SYMBOL
1	Q	R8	41	Q	E6
2	Q	R9	42	Q	E7
3	Q	R10	43	Q	E8
4	Q	R11	44	Q	E9
5	Q	R12	45	Q	E10
6	Q	R13	46	Q	E11
7	Q	R14	47	Q	E12
8	Q	R15	48	Q	E13
9	—	—	49	Q	E14
10	—	AVss	50	Q	E15
11	—	AVT	51	Q	E16
12	—	AVss	52	Q	E17
13	Q	E32/AND	53	Q	E18
14	Q	E33/AN1	54	Q	E19
15	Q	E34/AN2	55	Q	E20
16	Q	E35/AN3	56	Q	E21
17	Q	E36	57	Q	E22
18	Q	E37	58	Q	E23
19	Q	E38	59	Q	EX
20	Q	E39	60	Q	X
21	Q	E40	61	Q	RESET
22	Q	E41	62	Q	X/OPEN*
23	Q	E42	63	Q	E24/SD
24	Q	E43	64	Q	E25/S1
25	Q	E44	65	Q	E26/SC/T0
26	Q	E45	66	Q	E27/RQ
27	Q	E46	67	Q	E28/R2
28	Q	E47	68	Q	E29/START*
29	Q	E48	69	Q	E30/P81
30	Q	E49	70	Q	E31/PGO
31	Q	E50	71	Q	Vss
32	Q	E51	72	Q	RO
33	—	Vss	73	—	—
34	—	Vss	74	Q	R1
35	Q	E0	75	Q	R2
36	Q	E1	76	Q	R3
37	Q	E2	77	Q	R4
38	Q	E3	78	Q	R5
39	Q	E4	79	Q	R6
40	Q	E5	80	Q	R7

\* MASK OPTION

70	60	AND-AN1	ANALOG SIGNAL IN	
71	61	IO-E51	I/O EVENT (R PORT) IN/OUT	
72	62	CI-1	INTERNAL CLOCK IN	
73	63	CI-3F	INTERNAL INTERRUPT REQUEST IN ( $\overline{I}$ )	
74	64	PGI	PROGRAMMABLE PULSE GENERATOR TRIGGER IN	
75	65	PGQ	PROGRAMMABLE PULSE GENERATOR QUT	
76	66	RO-R15	R/O EVENT (R PORT) IN/OUT	
77	67	RESF	RESET	
78	68	SC/TQ	SERIAL CLOCK IN/OUT	
79	69	SI	SERIAL DATA IN	
80	70	SI	SERIAL DATA OUT ( $\overline{I}$ )	
81	71	TC	T/CLOCK IN	
82	72	X	CLOCK OUT	
83	73	CI-50		



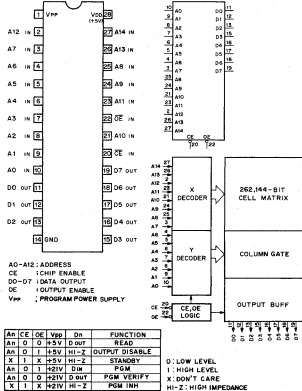
MBM2212-25P (FUJITSU) (ACCESS TIME = 250ns)  
N-MOS 1024 (256x4)-BIT NONVOLATILE STATIC RAM  
— TOP VIEW —



INPUTS				I/O		MODE
CS	WE	AR	ST			
1	X	1	1	HI-Z		NOT SELECTED
0	1	1	1	OUTPUT DATA		RAM READ
0	0	1	1	INPUT DATA		RAM WRITE "1"
0	0	1	1	INPUT DATA	0	RAM WRITE "0"
X	1	0	1	HI-Z		ARRAY RECALL
1	X	0	1	HI-Z		ARRAY RECALL
X	1	1	0	HI-Z		NONVOLATILE STORING
1	X	1	0	HI-Z		NONVOLATILE STORING

0 : LOW LEVEL  
 1 : HIGH LEVEL  
 X : DON'T CARE  
 HI-Z : HIGH IMPEDANCE

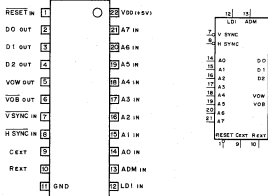
MBM27C256-25 (FUJITSU) (ACCESS TIME = 250 ns)  
C-MOS 256K (32x8) ERASABLE PROM WITH 3-STATE OUTPUTS  
— TOP VIEW —



AN	CE	OE	Vpp	DN	FUNCTION
A0	0	1	+5V	0	READ
A0	0	1	+5V	HI-Z	OUTPUT DISABLE
X	1	X	+5V	HI-Z	STANDBY
A0	0	1	+25V	DN	PGM
A0	0	0	+25V	DN	PGM VERIFY
X	1	X	+25V	HI-Z	PGM INH

0 : LOW LEVEL  
 1 : HIGH LEVEL  
 X : DON'T CARE  
 HI-Z : HIGH IMPEDANCE

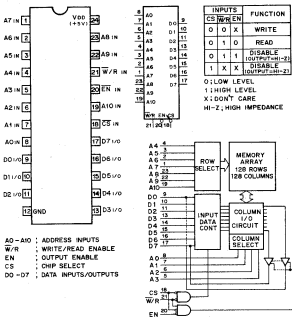
MBB8303 (FUJITSU)  
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER  
— TOP VIEW —







MSM6128-15RS (OKI) (ACCESS TIME = 150 nS)  
C-MOS 16384(2048B)-BIT HIGH SPEED STATIC RAM  
— TOP VIEW —



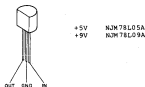
NJM4560D (JRC)  
OPERATIONAL AMPLIFIER  
— TOP VIEW —



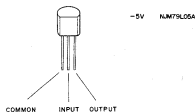
NJM4562D-D (JRC)  
OPERATIONAL AMPLIFIER  
— TOP VIEW —



NJM78L7 7A (NEC)  
POSITIVE VOLTAGE REGULATOR (100mA)



NJM78L7 7A (JRC)  
NEGATIVE VOLTAGE REGULATOR (100mA)  
— FRONT VIEW —



NJM2043D-D (JRC)  
OPERATIONAL AMPLIFIER  
— TOP VIEW —



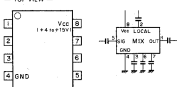
NJM2803D (JRC)  
VOLTAGE COMPARATOR  
— TOP VIEW —



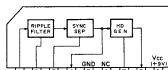
NJM4558D (JRC)  
μPC4558C (NEC)  
OPERATIONAL AMPLIFIER  
— TOP VIEW —



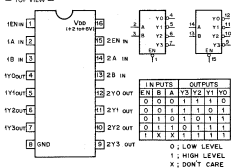
SN16913P (TI)  
SN16913P-A (TI)  
BALANCED MIXER  
— TOP VIEW —



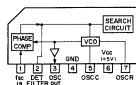
TA7357AP (TOSHIBA)  
SYNC SEPARATOR/HD PULSE GENERATOR  
— SIDE VIEW —



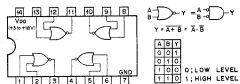
SN74HC139N (TI)  
TC74HC139P (TOSHIBA)  
C-MOS 1-OF-4 DECODER/DEMULTIPLEXER  
— TOP VIEW —



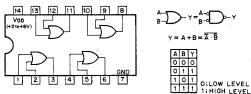
TA7374P (TOSHIBA)  
THREE TIMES OSCILLATOR  
— SIDE VIEW —



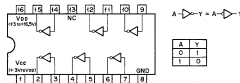
TC4001BP (TOSHIBA)  
C-MOS 2-INPUT NOR GATE  
— TOP VIEW —



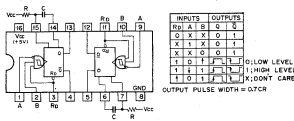
SN74HC32N (TI)  
C-MOS 2-INPUT OR GATE  
— TOP VIEW —



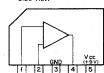
TC4009BP (TOSHIBA)  
C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)  
— TOP VIEW —



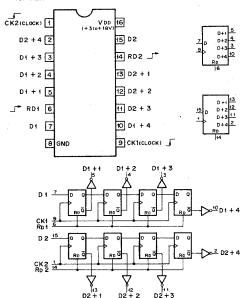
SN74LS221N (TI)  
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT  
— TOP VIEW —



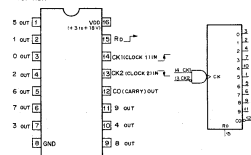
TA7090AP (TOSHIBA)  
LINEAR AMP  
— SIDE VIEW —



TC4015BP (TOSHIBA)  
C-MOS DUAL 4-STAGE STATIC SHIFT REGISTER WITH DIRECT RESET  
— TOP VIEW —



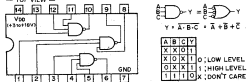
TC4017BP (TOSHIBA)  
C-MOS DECADE COUNTER/DIVIDER  
— TOP VIEW —



COUNT	INPUTS	OUTPUTS
	CK RD Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	
0	1 1 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
1	0 1 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1
2	0 0 1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1
3	0 0 0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1
4	0 0 0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1
5	0 0 0 0 0 1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1
6	0 0 0 0 0 0 1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1
7	0 0 0 0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 1
8	0 0 0 0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 1
9	0 0 0 0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 1
NO COUNT	0 1 0 0 0 0 0 0 0 0 0 0	NO CHANGE
	0 0 0 0 0 0 0 0 0 0 0 0	NO CHANGE

0; LOW LEVEL  
1; HIGH LEVEL  
X; DON'T CARE

TC4023BP (TOSHIBA)  
C-MOS 3-INPUT NAND GATE  
— TOP VIEW —

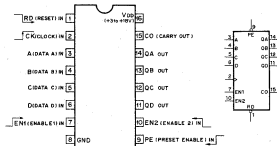


$$Y = \overline{A \cdot B \cdot C} = \overline{A} \cdot \overline{B} \cdot \overline{C}$$

A	B	C	Y
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	0
1	1	1	0

0; LOW LEVEL  
1; HIGH LEVEL  
X; DON'T CARE

TC40161BP (TOSHIBA)  
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER WITH ASYNCHRONOUS RESET  
— TOP VIEW —



MODE SELECTION				
CONTROL INPUTS				MODE
RD	PE	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

CARRY OUTPUT "CO"

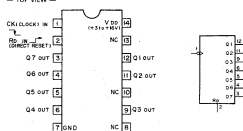


CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS '0'.

COUNT	Q0	Q1	Q2	Q3	OA
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	0
8	1	0	0	0	0
9	1	0	0	1	0
10	1	0	1	0	0
11	1	0	1	1	0
12	1	1	0	0	0
13	1	1	0	1	0
14	1	1	1	0	0
15	1	1	1	1	0

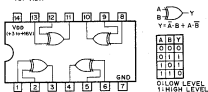
0; LOW LEVEL  
1; HIGH LEVEL  
X; DON'T CARE

TC4024BP (TOSHIBA)  
C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER  
— TOP VIEW —

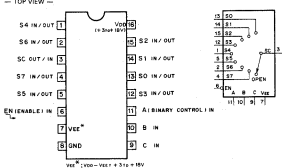


COUNT	INPUTS		OUTPUTS							
	CK	Rd	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	X	1	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	1
2	1	0	0	0	0	0	0	0	0	1
3	1	0	0	0	0	0	0	0	0	1
4	1	0	0	0	0	0	0	0	1	0
125	1	0	1	1	1	1	1	0	1	0
126	1	0	1	1	1	1	1	1	1	0
127	1	0	1	1	1	1	1	1	1	1
	0	0								
	1	0								
			NO CHANGE							

TC4030BP (TOSHIBA)  
TC4030BPBH (TOSHIBA)  
C-MOS EXCLUSIVE OR GATE  
— TOP VIEW —



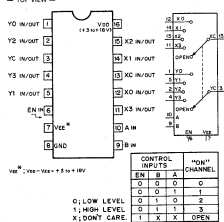
TC4051BP (TOSHIBA)  
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER  
— TOP VIEW —



EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

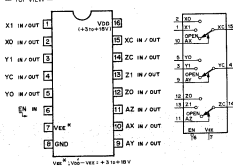
TC4052BP (TOSHIBA)  
TC4052BPBH (TOSHIBA)  
UPD4052BC (NEC)  
C-MOS 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER  
— TOP VIEW —



EN	B	A	"ON" CHANNEL
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

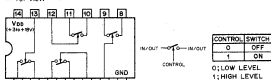
TC4053BP (TOSHIBA)  
TC4053BPBH (TOSHIBA)  
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER  
— TOP VIEW —



CONTROL INPUTS	ON CHANNEL
EN	1
0	0
0	1
1	X

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

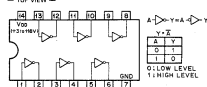
TC4066BPBH (TOSHIBA) FLAT PACKAGE  
TC4066BP (TOSHIBA)  
C-MOS BILATERAL ANALOG SWITCH  
— TOP VIEW —



CONTROL SWITCH	ON
0	OFF
1	ON

0: LOW LEVEL  
1: HIGH LEVEL

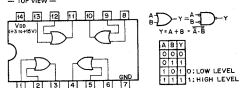
TC4069BUP (TOSHIBA)  
C-MOS INVERTER  
— TOP VIEW —



Y = Z	Y
0	1
1	0

0: LOW LEVEL  
1: HIGH LEVEL

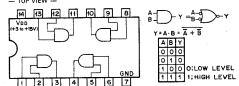
TC4071BP (TOSHIBA)  
C-MOS 2-INPUT OR GATE  
— TOP VIEW —



A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

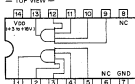
TC4081BP (TOSHIBA)  
C-MOS 2-INPUT AND GATE  
— TOP VIEW —



A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

TC4062BP (TOSHIBA)  
C-MOS 4-INP. AND GATE  
— TOP VIEW —

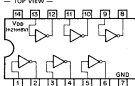


$$Y = ABCD = \bar{A} + \bar{B} + \bar{C} + \bar{D}$$

A	B	C	D	Y
X	X	X	X	0
X	X	X	0	0
X	X	0	X	0
X	X	0	0	0
X	0	X	X	0
X	0	X	0	0
X	0	0	X	0
X	0	0	0	0
0	X	X	X	0
0	X	X	0	0
0	X	0	X	0
0	X	0	0	0
0	0	X	X	0
0	0	X	0	0
0	0	0	X	0
0	0	0	0	0

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

TC40604P (TOSHIBA)  
C-MOS INVERTER  
— TOP VIEW —

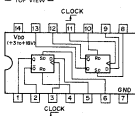


$$Y = \bar{A}$$

A	Y
0	1
1	0

0: LOW LEVEL  
1: HIGH LEVEL

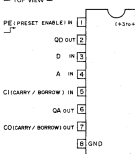
TC504013BP (TOSHIBA)  
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET  
— TOP VIEW —



D	Q	Q'	CHN	DOH
0	0	1	0	0
0	1	0	1	0
1	0	1	0	1
1	1	0	1	1

CLOCK OK? 0: BEFORE CLOCK  
1: AFTER CLOCK  
CHN: BEFORE CLOCK  
DOH: AFTER CLOCK  
0: LOW LEVEL  
1: HIGH LEVEL

TC4510BP (TOSHIBA)  
C-MOS PRESETTABLE BCD UP/DOWN COUNTER  
— TOP VIEW —



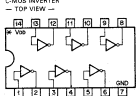
INPUTS	OUTPUTS
CK	RD
PE	Q
C	Q'
I	Q
U	Q'
D	Q
IN	Q'
CARRY	Q
B	Q'
GA	Q
Q	Q'
Q	Q'
Q	Q'
Q	Q'
Q	Q'
Q	Q'
Q	Q'

COUNT	OUTPUTS
0	0 0 0 0 1
1	0 0 0 1 0
2	0 0 1 0 0
3	0 0 1 1 0
4	0 1 0 0 0
5	0 1 0 1 0
6	0 1 1 0 0
7	0 1 1 1 0
8	1 0 0 0 0
9	1 0 0 1 0

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

CK=L: 0 (DOWN-COUNT '0' or UP-COUNT '9')

TC74HC04P (TOSHIBA)  
TC74HC04P (TOSHIBA)  
C-MOS INVERTER  
— TOP VIEW —



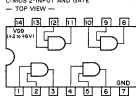
$$Y = \bar{A}$$

A	Y
0	1
1	0

0: LOW LEVEL  
1: HIGH LEVEL

\* VDD: HC, HCU: +2 to +6V  
HCT: +5V

TC74HC08P (TOSHIBA)  
C-MOS 2-INPUT AND GATE  
— TOP VIEW —

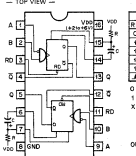


$$Y = A \cdot B = \bar{A} + \bar{B}$$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

TC74HC123P (TOSHIBA)  
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR  
— TOP VIEW —

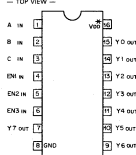


INPUT	OUTPUT
RD	A
A	B
B	C
C	D
D	E
E	F
F	G
G	H
H	I
I	J
J	K
K	L
L	M
M	N
N	O
O	P
P	Q
Q	R
R	S
S	T
T	U
U	V
V	W
W	X
X	Y
Y	Z

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

OUTPUT PULSE WIDTH = 0.46CR

TC74HC138P (TOSHIBA)  
C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER  
— TOP VIEW —



INPUT	OUTPUT
A	Y0
B	Y1
C	Y2
Y0	Y1
Y1	Y2
Y2	Y3
Y3	Y4
Y4	Y5
Y5	Y6
Y6	Y7

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

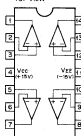
EN	EN1	EN2	EN3	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	1
1	0	1	0	1	1	1	1	1	1	1	1
1	1	0	1	1	1	1	1	1	1	1	1
1	1	1	0	1	1	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1
1	1	1	1	1	0	1	1	1	1	1	1
1	1	1	1	1	1	0	1	1	1	1	1
1	1	1	1	1	1	1	0	1	1	1	1
1	1	1	1	1	1	1	1	0	1	1	1
1	1	1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	1	1	1	0	1
1	1	1	1	1	1	1	1	1	1	1	0

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

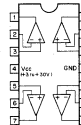
\* VDD: HC, +2 to +6V  
HCT: +5V



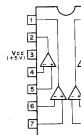
TLOB4CN (T)  
OPERATIONAL AMPLIFIER  
(J FET-INPUT)  
— TOP VIEW —



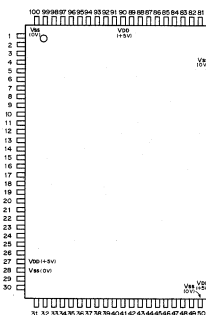
uPC324C (NEC)  
QUAD. OP. AMPLIFIER  
— TOP VIEW —



uPC339C (NEC)  
COMPARATOR  
— TOP VIEW —



TMP2B4C011AF (TOSHIBA)  
C-MDS 8 BIT MICROPROCESSOR  
— TOP VIEW —



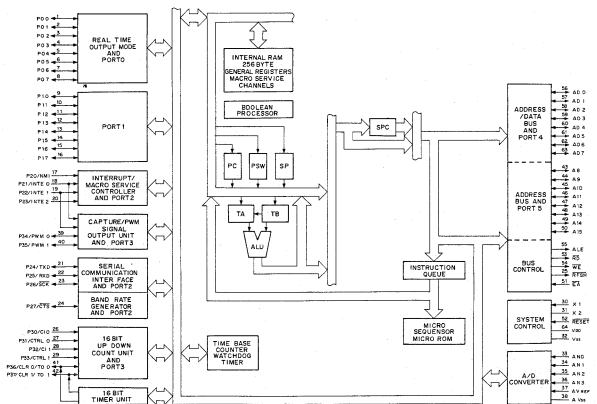
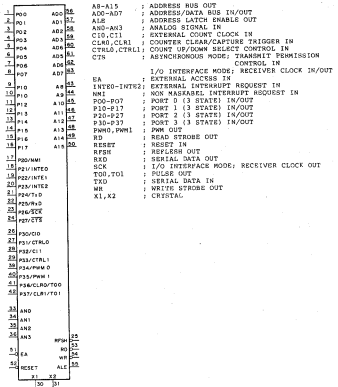
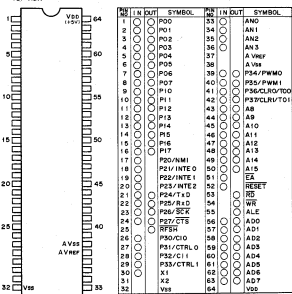
NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1	0		IE	51			Vee
2			CLK/TRG0	52			CLK
3			CLK/TRG0	53			PC7
4			CLK/TRG0	54			PC6
5			CLK/TRG0	55			PC5
6			07	56			PC4
7			06	57			PC3
8			D5	58			PC2
9			D4	59			PC1
10			D3	60			PC0
11			D2	61			PA7
12			D1	62			PA6
13			D0	63			PA5
14			INT	64			PA4
15			EV	65			PA3
16			HALT	66			PA2
17			MRQ0	67			PA1
18			ICRQ	68			PA0
19			WR	69			PB7
20			RD	70			PB6
21			06	71			PB5
22			05	72			PB4
23			04	73			PB3
24			03	74			PB2
25			02	75			PB1
26			01	76			PB0
27			Vee	77			Vee
28			Vee	78			PE7
29			A0	79			PE6
30			A1	80			PE5
31			A2	81			PE4
32			A3	82			PE3
33			A4	83			PE2
34			A5	84			PE1
35			A6	85			PE0
36			A7	86			TEST
37			AB	87			IEO
38			A9	88			PD7
39			A10	89			PD6
40			A11	90			PD5
41			A12	91			PD4
42			A13	92			PD3
43			A14	93			PD2
44			A15	94			PD1
45			MS1	95			PD0
46			MS2	96			PD0
47			MS1	97			ZC/T02
48			XTAL1	98			ZC/T01
49			XTAL1	99			ZC/T00
50			Vee	100			Vee

50	PA0	A0	22	AG-A15: 3-STATE ADDRESS BUS OUTPUTS
51	PA1	A1	23	BUSACK: BUS ACKNOWLEDGE OUTPUT
52	PA2	A2	24	BUSREQ: BUS REQUEST INPUT
53	PA3	A3	25	CLK: CLOCK OUTPUT
54	PA4	A4	26	CLK/TRG0-3: EXTERNAL CLOCK/ TIMER TRIGGER0-3 INPUTS
55	PA5	A5	27	D0-D7: 3-STATE DATA BUS INPUTS/OUTPUTS
56	PA6	A6	28	D0-D7: 3-STATE DATA BUS INPUTS/OUTPUTS
57	PA7	A7	29	EV: EVALUATOR INPUT
58	PA8	A8	30	HALT: HALT OUTPUT
59	PA9	A9	31	IE/IEO: CTC INTERRUPT ENABLE INPUT/OUTPUT
60	PA10	A10	32	INT: MASKABLE INTERRUPT REQUEST INPUT
61	PA11	A11	33	ICRQ: 3-STATE I/O REQUEST OUTPUT
62	PA12	A12	34	M1: 3-STATE MACHINE CYCLE 1 OUTPUT
63	PA13	A13	35	MRQ0: 3-STATE REQUEST OUTPUT
64	PA14	A14	36	MS1/MS2: MODE SELECT 1/2 INPUTS
65	PA15	A15	37	NMI: NON-MASKABLE INTERRUPT REQUEST INPUT
66	PA16	A16	38	PA0-PA7: 3-STATE I/O PORT
67	PA17	A17	39	PB0-PB7: 3-STATE I/O PORT
68	PA18	A18	40	PC0-PC7: 3-STATE I/O PORT
69	PA19	A19	41	PD0-PD7: 3-STATE I/O PORT
70	PA20	A20	42	PE0-PE7: 3-STATE I/O PORT
71	PA21	A21	43	RD: 3-STATE READ OUTPUT
72	PA22	A22	44	RESET: RESET INPUT
73	PA23	A23	45	RFSH: REFRESH OUTPUT
74	PA24	A24	46	TEST: TEST INPUT
75	PA25	A25	47	WAIT: WAIT REQUEST INPUT
76	PA26	A26	48	WR: 3-STATE WRITE OUTPUT
77	PA27	A27	49	ZC/T00-2: ZERO COUNT/TIME OUT 0-2 OUTPUTS
78	PA28	A28	50	
79	PA29	A29	51	
80	PA30	A30	52	
81	PA31	A31	53	
82	PA32	A32	54	
83	PA33	A33	55	
84	PA34	A34	56	
85	PA35	A35	57	
86	PA36	A36	58	
87	PA37	A37	59	
88	PA38	A38	60	
89	PA39	A39	61	
90	PA40	A40	62	
91	PA41	A41	63	
92	PA42	A42	64	
93	PA43	A43	65	
94	PA44	A44	66	
95	PA45	A45	67	
96	PA46	A46	68	
97	PA47	A47	69	
98	PA48	A48	70	
99	PA49	A49	71	
100	PA50	A50	72	
101	PA51	A51	73	
102	PA52	A52	74	
103	PA53	A53	75	
104	PA54	A54	76	
105	PA55	A55	77	
106	PA56	A56	78	
107	PA57	A57	79	
108	PA58	A58	80	
109	PA59	A59	81	
110	PA60	A60	82	
111	PA61	A61	83	
112	PA62	A62	84	
113	PA63	A63	85	
114	PA64	A64	86	
115	PA65	A65	87	
116	PA66	A66	88	
117	PA67	A67	89	
118	PA68	A68	90	
119	PA69	A69	91	
120	PA70	A70	92	
121	PA71	A71	93	
122	PA72	A72	94	
123	PA73	A73	95	
124	PA74	A74	96	
125	PA75	A75	97	
126	PA76	A76	98	
127	PA77	A77	99	
128	PA78	A78	100	
129	PA79	A79	101	
130	PA80	A80	102	
131	PA81	A81	103	
132	PA82	A82	104	
133	PA83	A83	105	
134	PA84	A84	106	
135	PA85	A85	107	
136	PA86	A86	108	
137	PA87	A87	109	
138	PA88	A88	110	
139	PA89	A89	111	
140	PA90	A90	112	
141	PA91	A91	113	
142	PA92	A92	114	
143	PA93	A93	115	
144	PA94	A94	116	
145	PA95	A95	117	
146	PA96	A96	118	
147	PA97	A97	119	
148	PA98	A98	120	
149	PA99	A99	121	
150	PA100	A100	122	

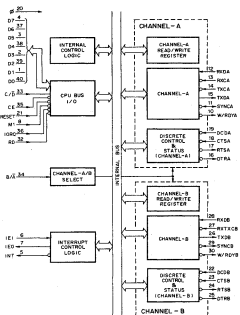
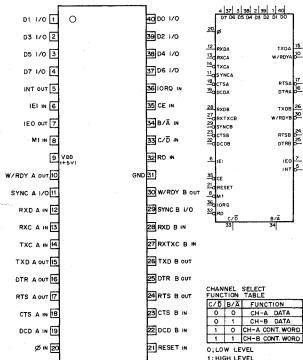




μPD78310CW (NEC)  
C MOS 16-BIT ONE CHIP MICROCOMPUTER  
— TOP VIEW —



Z80A-SIO/O (ZIOLOG)  
N-MOS 2-CHANNEL SERIAL INPUT/OUTPUT  
FOR MICROCOMPUTER SYSTEM  
— TOP VIEW —



CS : SYSTEM CLOCK IN  
 DT-D0 : DATA BUS'S STATE I/O  
 C/D : CONTROL/DATA SELECT IN  
 CE : CHIP ENABLE IN  
 M1 : MACHINE CYCLE 1 IN  
 IORQ : I/O REQUEST IN  
 RD : READ IN  
 B/A : CHANNEL B/A SELECT IN  
 IEI : INTERRUPT ENABLE IN  
 IEO : INTERRUPT ENABLE OUT  
 INT : INTERRUPT OUT

RXD : RECEIVE DATA IN  
 RXC : RECEIVE CLOCK IN  
 TXC : TRANSMIT CLOCK IN  
 TXD : TRANSMIT DATA OUT  
 SYNC : EXTERNAL CHARACTER SYNCHRONIZATION I/O  
 W/RODY : WAIT/READY OUT  
 DCD : DATA CARRIER DETECT IN  
 CTS : CLEAR TO SEND IN  
 RTS : REQUEST TO SEND OUT  
 DTR : DATA TERMINAL READY OUT





GL-5H05 ; RED



GP-1152  
GP-1153



FC54M

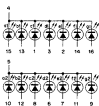


HLMF-1302 ; RED

DUAL 7-SEGMENT LED  
— TOP VIEW —



LA402VK (ROHM)



AD 7 7ES



SPS102



TL0255 ; GREEN  
TL0256 ; YELLOW



L05E

## SECTION 16 SCHEMATIC DIAGRAMS

In the schematic diagrams, the following marks are described nearby reference number.  
These are parts data at factory.

### CAPACITOR (C)

AL	}	ELECTROLYTIC
AS		
TA	}	TANTALUM
CA		
CC	}	CERAMIC
CCS		
CM	}	
CS		
MPS	}	MYLAR
PP		
PS	}	
PT		
MD	}	DIPPED MICA
MS		

### RESISTOR (R)

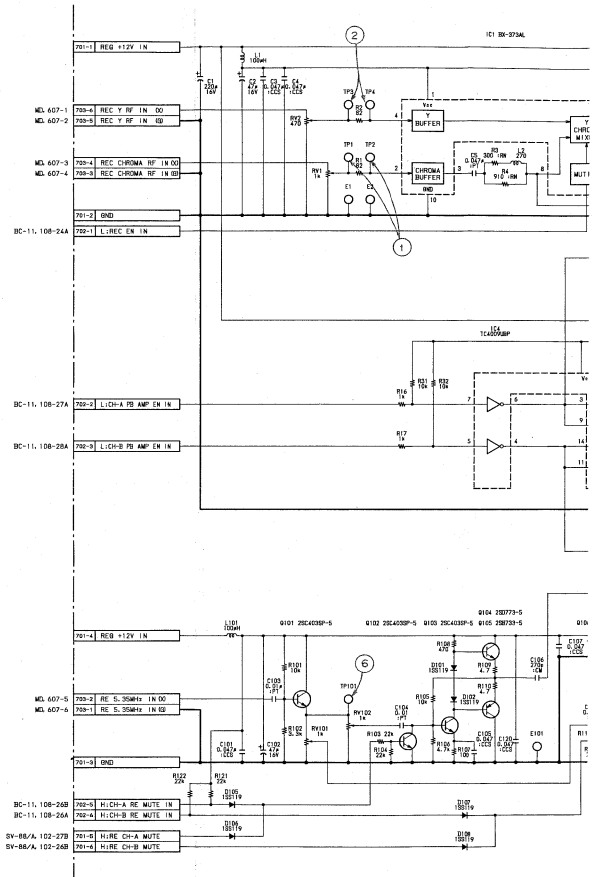
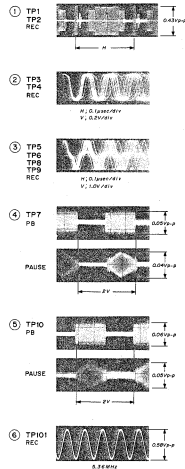
#### VARIABLE RESISTOR (RV)

RC	}	CARBON
RD		
RF	}	FUSE
RN		
RS	}	METAL
RW		

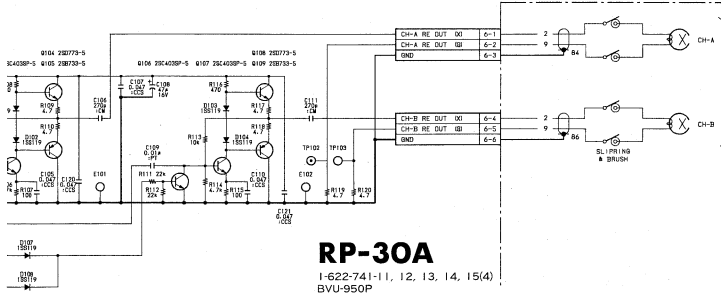
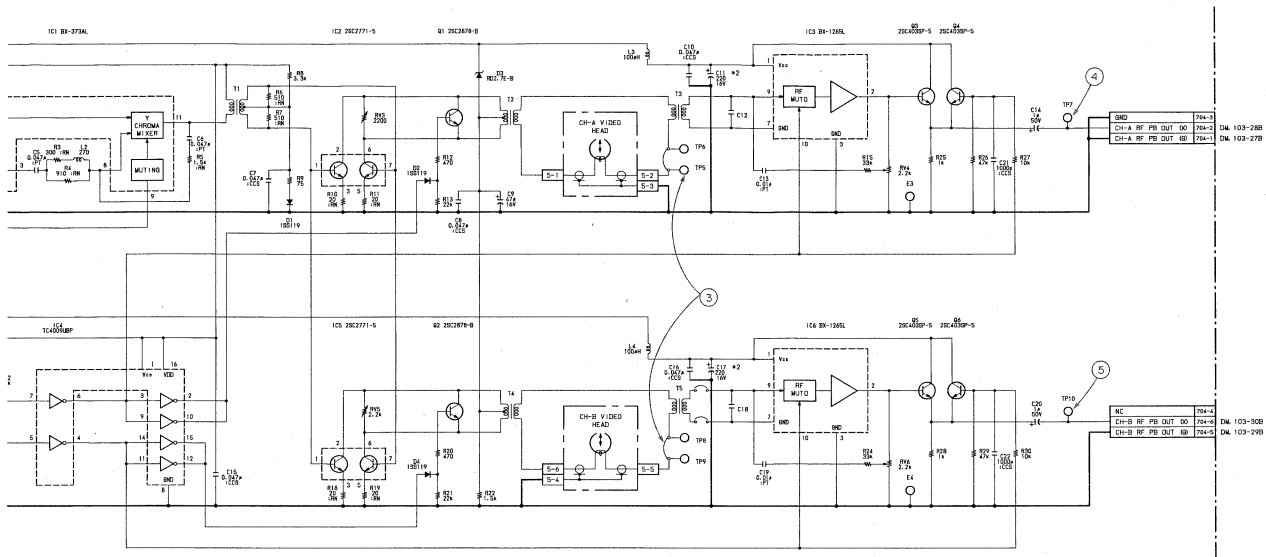
The circuit information is provided below.

SYSTEM	CIRCUIT BOARD	CIRCUIT FUNCTION
VIDEO	RP-30A	RF REC/PB /rotary erase
	MD-45	Y/C modulator
	DM-55	Y/C demodulator
	SW-170	Video level MANU/AUTO select
	VR-48	Video level control
	MT-28	Video level meter
AUDIO	AU-83A	CH-1 REC/PB /DOLBY processor
	DUS-71	Variable coil
	AU-84A	CH-2 REC/PB
	DUS-71	Variable coil
	HN-77	Junction board
	AU-85A	DOLBY auto detector, bias oscillator
	SW-171	DOLBY ON/OFF switch
	AU-87	Mic/output/monitor amplifier
	VR-48	REC/PB level control
	MT-28	Audio level meter
	VR-49	Headphones level control
	HP-28	Headphones
	DUS-92	Audio head
	DUS-147	Junction board for audio head
	BC-11	Full erase oscillator
	SW-170	Audio monitor select
SERVO	SV-88A	Drum/capstan/reel servo
	SE-48	Reel rotation detector
	DR-53	Motor driver for reel/capstan/drum
	DR-59	Motor driver for reel
	PTC-28	S-tension CDS
	LE-53	S-tension LED
	PTC-29	T-tension CDS
	LE-54	T-tension LED
	DUS-177	T-reel motor
	DUS-178	S-reel motor
	VR-48	Tracking control

SYSTEM	CIRCUIT BOARD	CIRCUIT FUNCTION
SYSCON	SY-102A	System control
	KY-101 / KY-144	Function key board
	DP-62	Display
	BC-11	Video/audio timing control
	HN-80	Threading motor driver
	LM-13	Threading motor
	PD-37	Cassette-up compartment motor driver /Solenoid driver
	CC-31 / CC-36	Cassette compartment driver
	CC-32 / CC-36	Cassette down detector
	CC-33 / CC-37	Cassette in detector
	PTC-30	SP, miss REC. KCA detector
	PTC-33	FR stop detector
	PTC-34	Uthread end detector
	PH-5(A)	Tape top LED
	PH-5(B)	Tape top sensor
	PH-5(C)	Tape end LED
	PTC-26	Tape end sensor
	SW-170	Select switch /warning indicator
	SW-171	Remote 1/2 Select /TBC ON/OFF /Character ON/OFF
	PTC-32	Search dial
TIME CODE	RM-44	Remote control (9pin & 24pin)
	DSC-44	Character generator
	TC-42	Time code (Option)
	BC-11	Time code REC/PB amplifier
POWER	HN-84	Time code head
	SW-172	Time code control Switch (Option)
	AC-78A	AC primary circuit
	AC-79	Line filter
	M1	Switching Regulator (UR-21)
	M2	
OTHERS	C1	
	C2	
	MB-127	Mother board
	MB-139	Sub mother for TC
	CP-109	Connector panel
	RM-45	TBC remote control
	EX-127	Extension board for Audio/Time code
	EX-128	Extension board for Video/Servo/TBC
	HN-80	Relay board for video/tape sensor/ threading motor driver
	HN-83	Relay board for time code head/erase head
	MT-28	Meter
	LP-41	Cassette compartment light
	TBC-6	Time base corrector (Option)



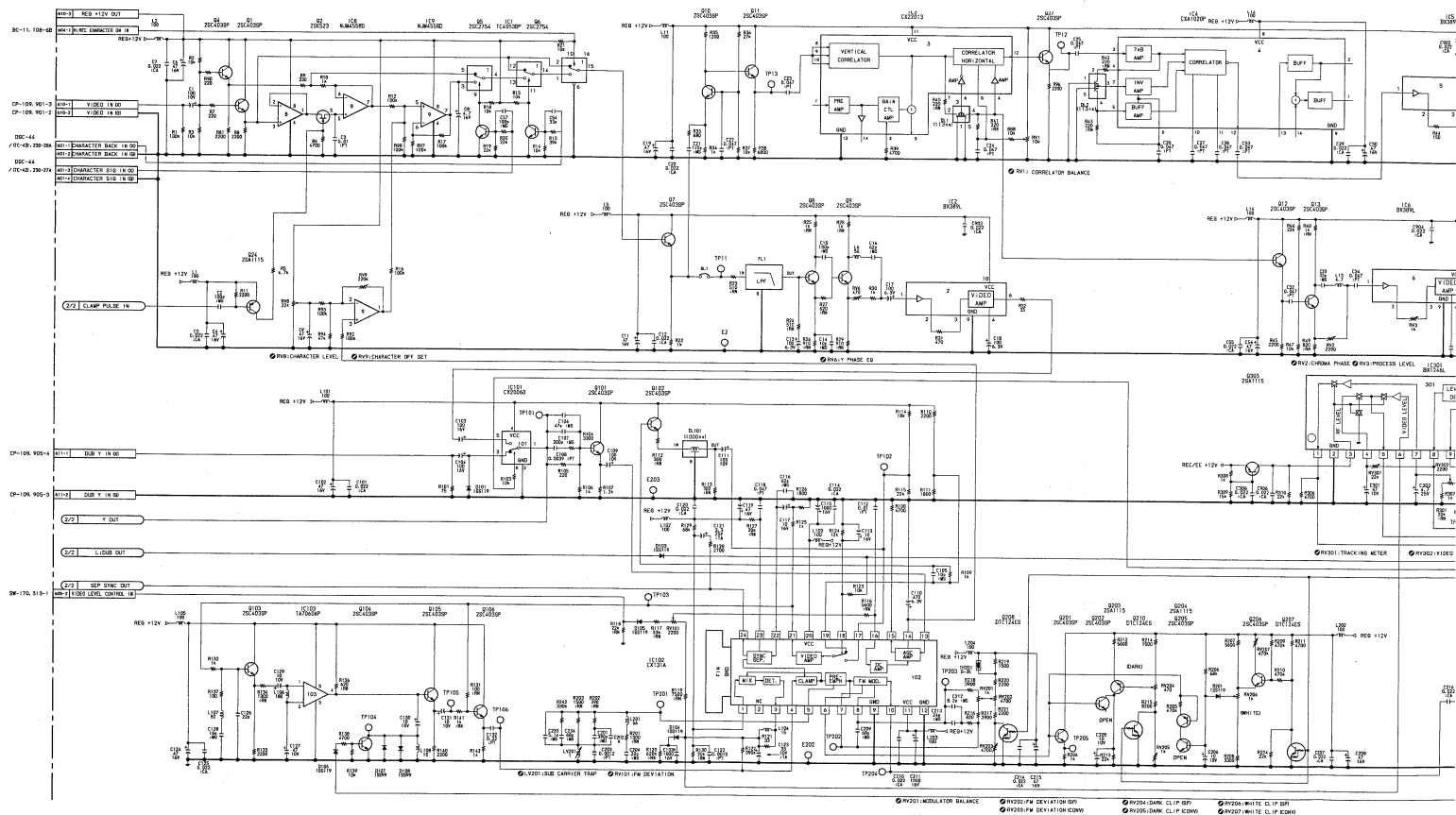


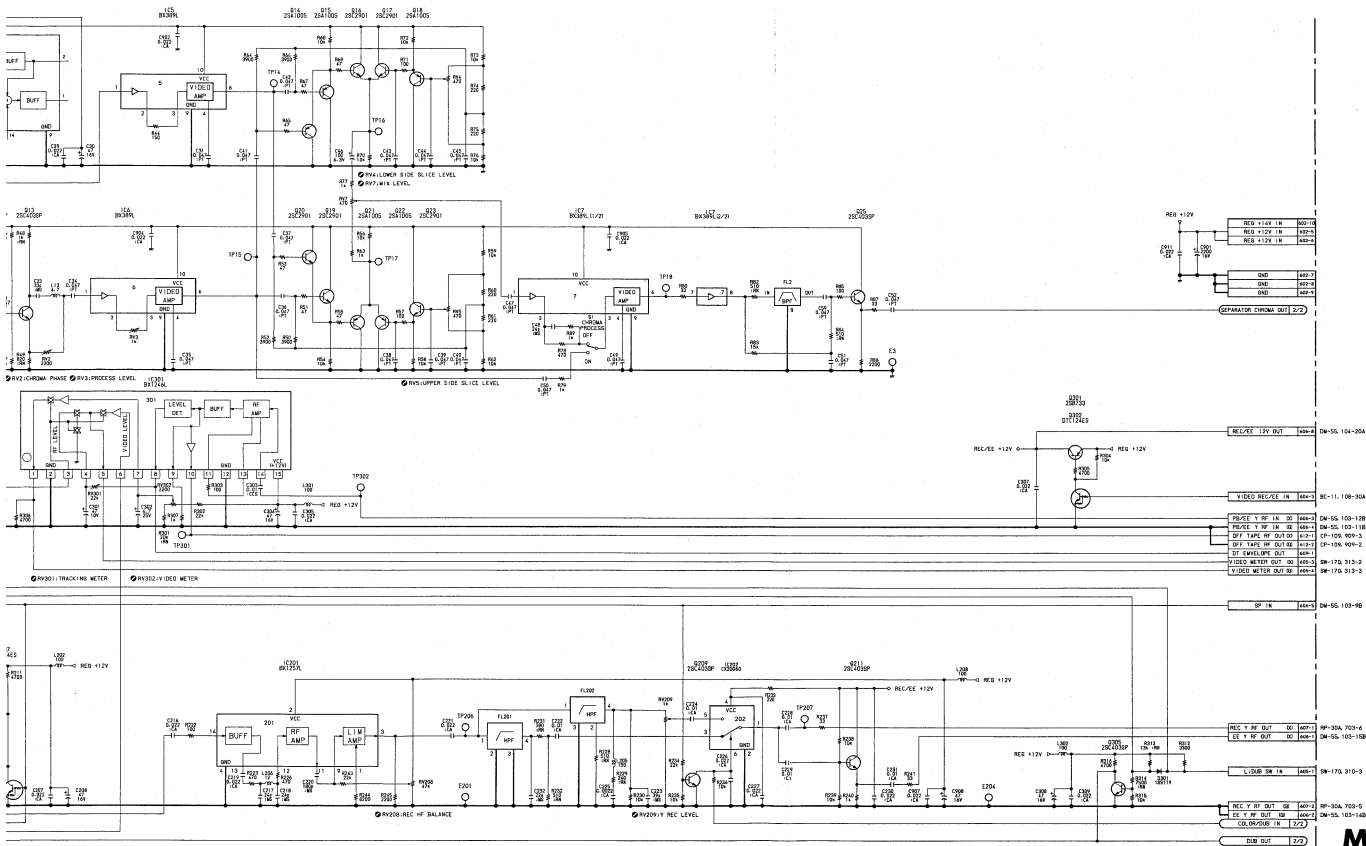


**RP-30A**  
1-622-741-11, 12, 13, 14, 15(4)  
BVU-950P

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C126, 121 ADDED	EK: 10981-
*2	C11, 17 CHANGED 47/16V → 220/16V	EK: 12731-





16-15(a)

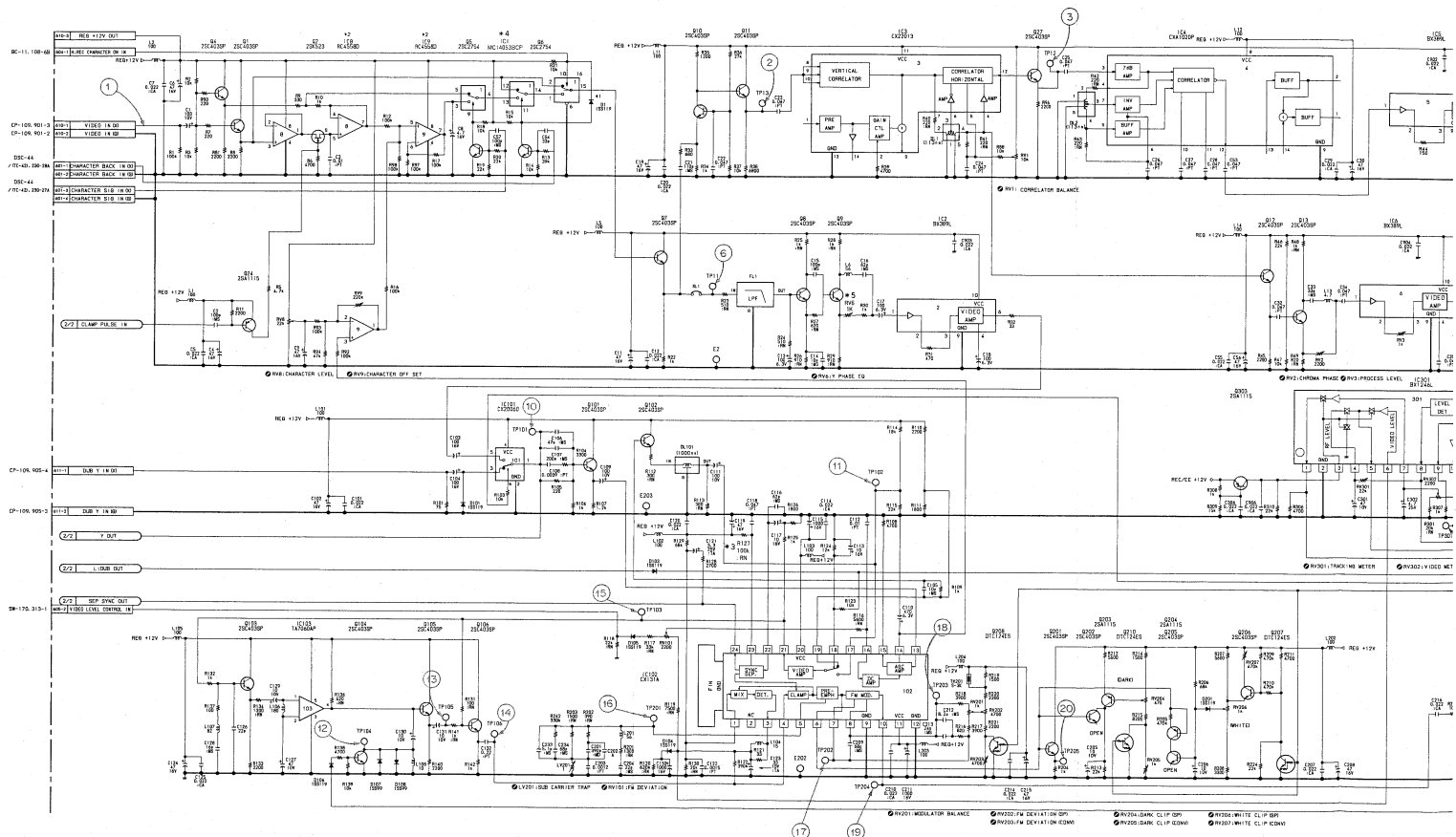
16-16(a)

MD-45(1/2)

1-622-742-11(1)  
BVU-950P

## MD-45(1/2): Y/C MODULATOR

S/N 10981 AND HIGHER(EK)

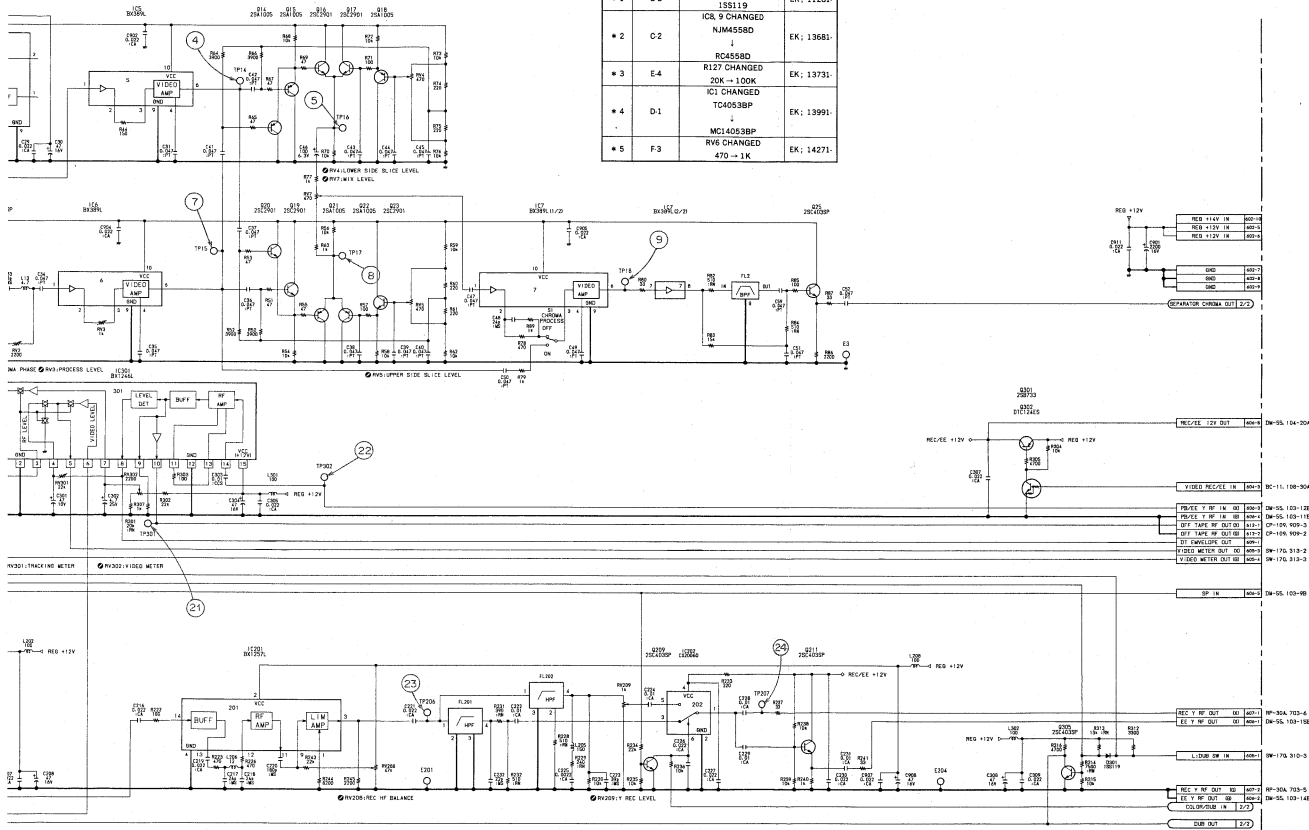


16-13 (b)

16-14 (b)

## NOTE:

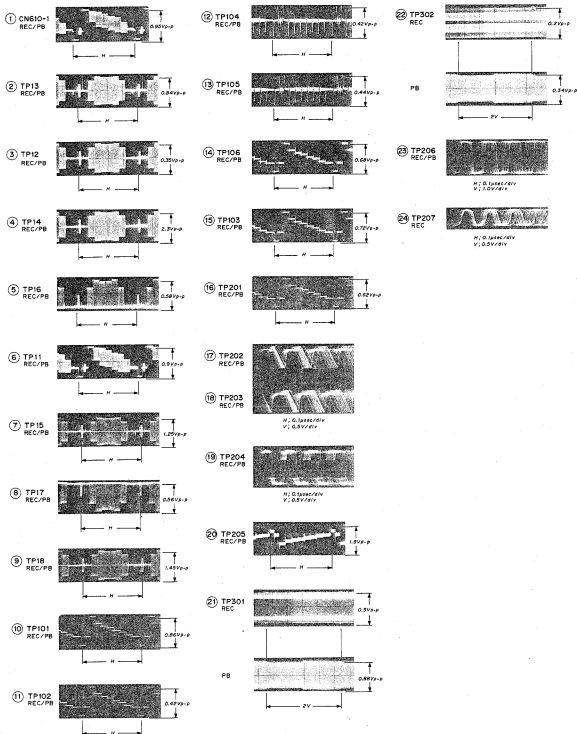
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	D-2	D1 ADDED 15S119	EK; 11281-
* 2	C-2	ICL 9 CHANGED NJM4558D	EK; 13681-
* 3	E-4	RC4558D R127 CHANGED 20K → 100K	EK; 13731-
* 4	D-1	IC1 CHANGED TC4053BP	EK; 13991-
* 5	F-3	MC14053BP RV6 CHANGED 470 → 1K	EK; 14271-



16-15(b)

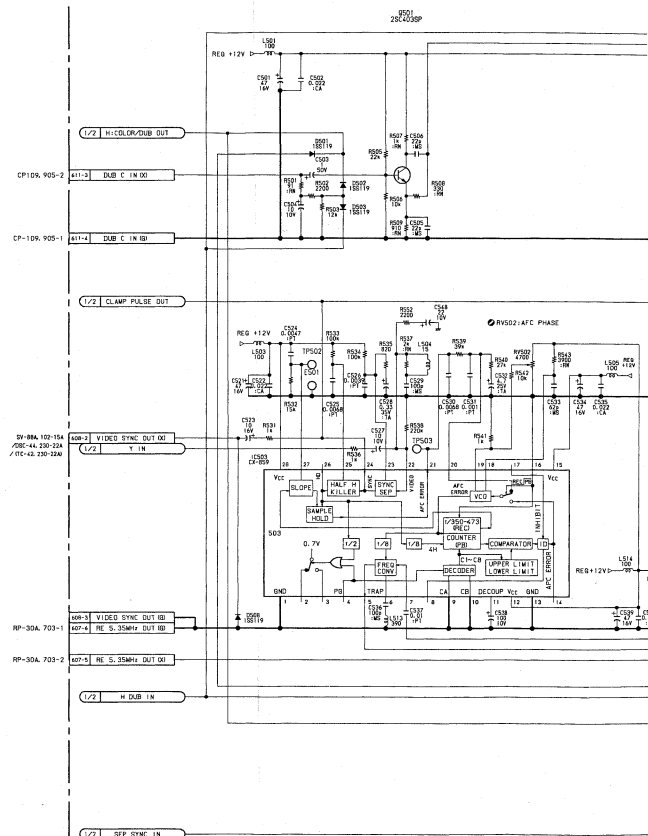
16-16(b)

**MD-45(1/2)**  
1-622-742-12(6)  
BVU-950P



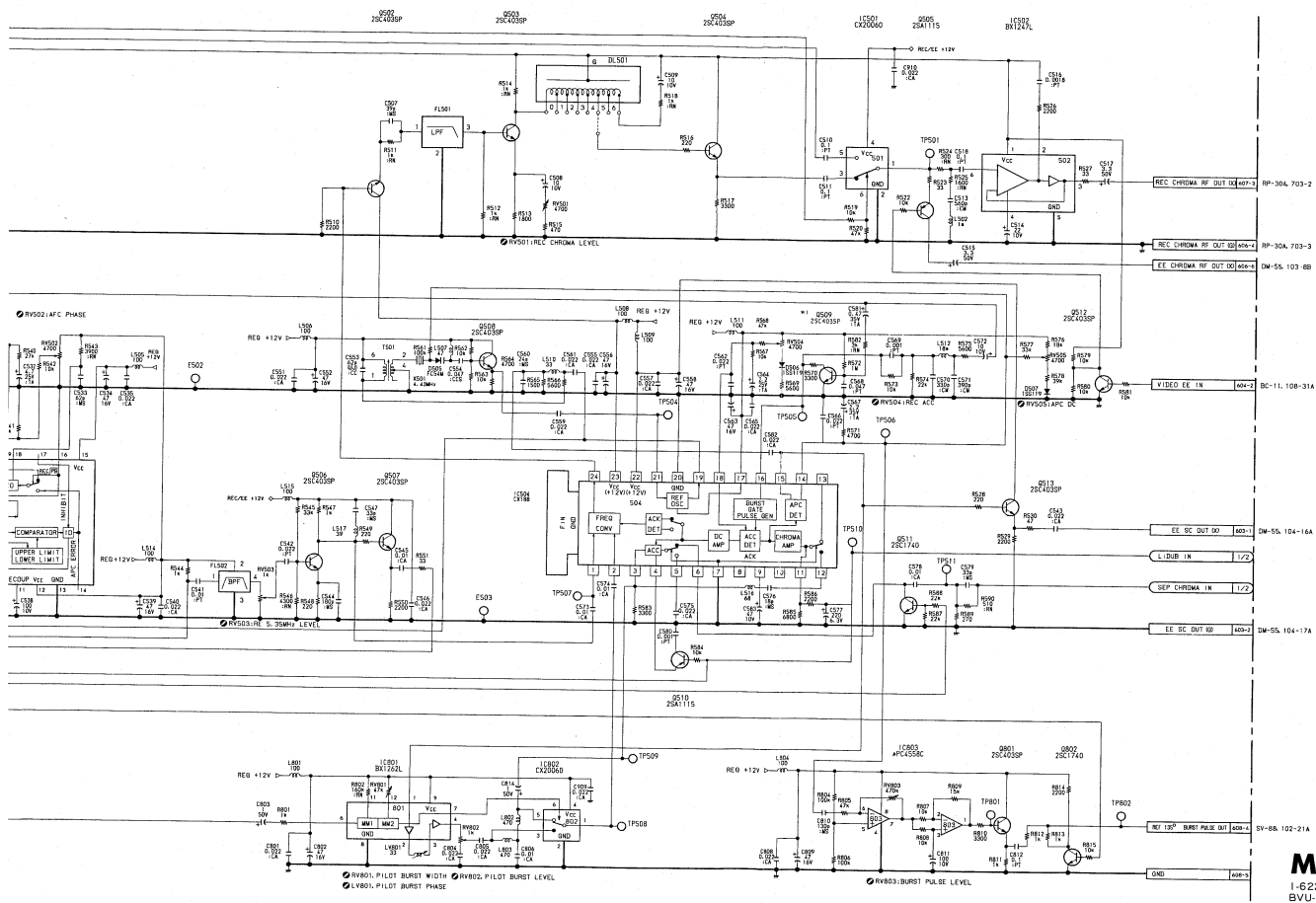
MD-45(2/2): Y/C MODULATOR S/N UP TO 10980(EK)

NOTE		
WORK	CHANGE INFORMATION	SERIAL NO.
R1	CDS CHANGED 25C174A - 25C488P	EX - 10980



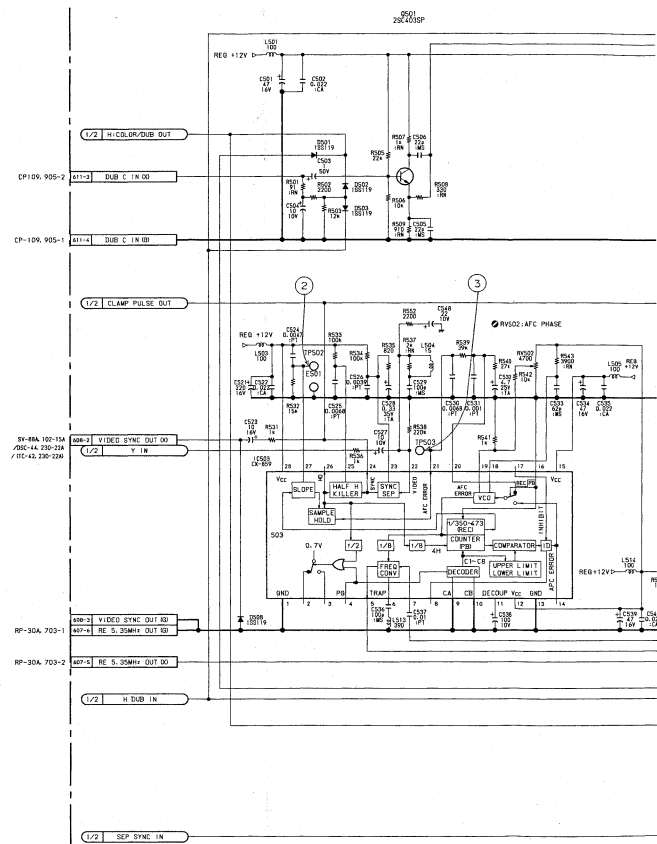
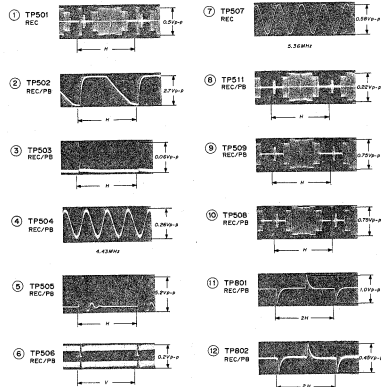
16-23(a)

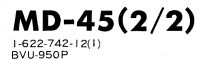
16-24(a)



**MD-45(2/2)**  
 I-622-742-11(2)  
 BVU-950P

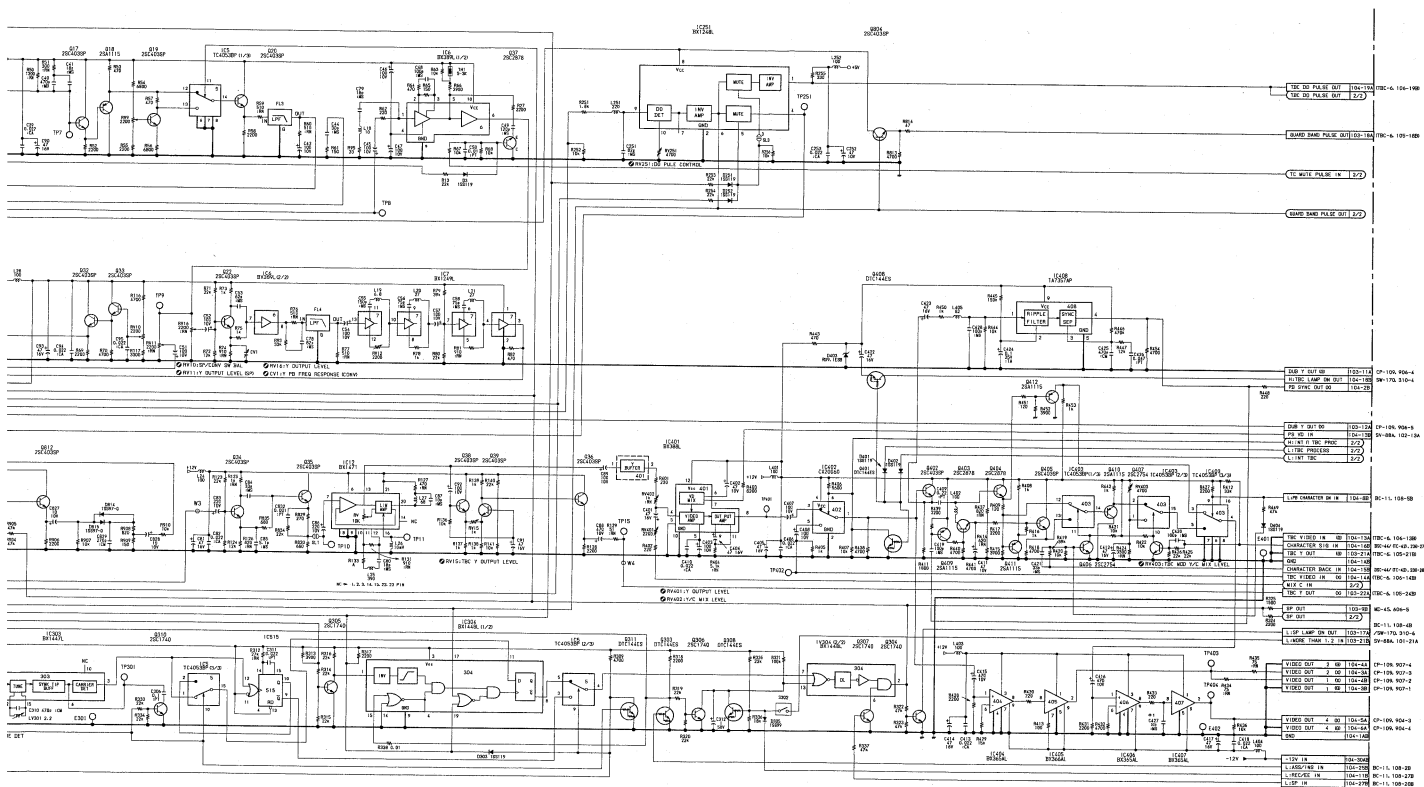






16-26 (b)





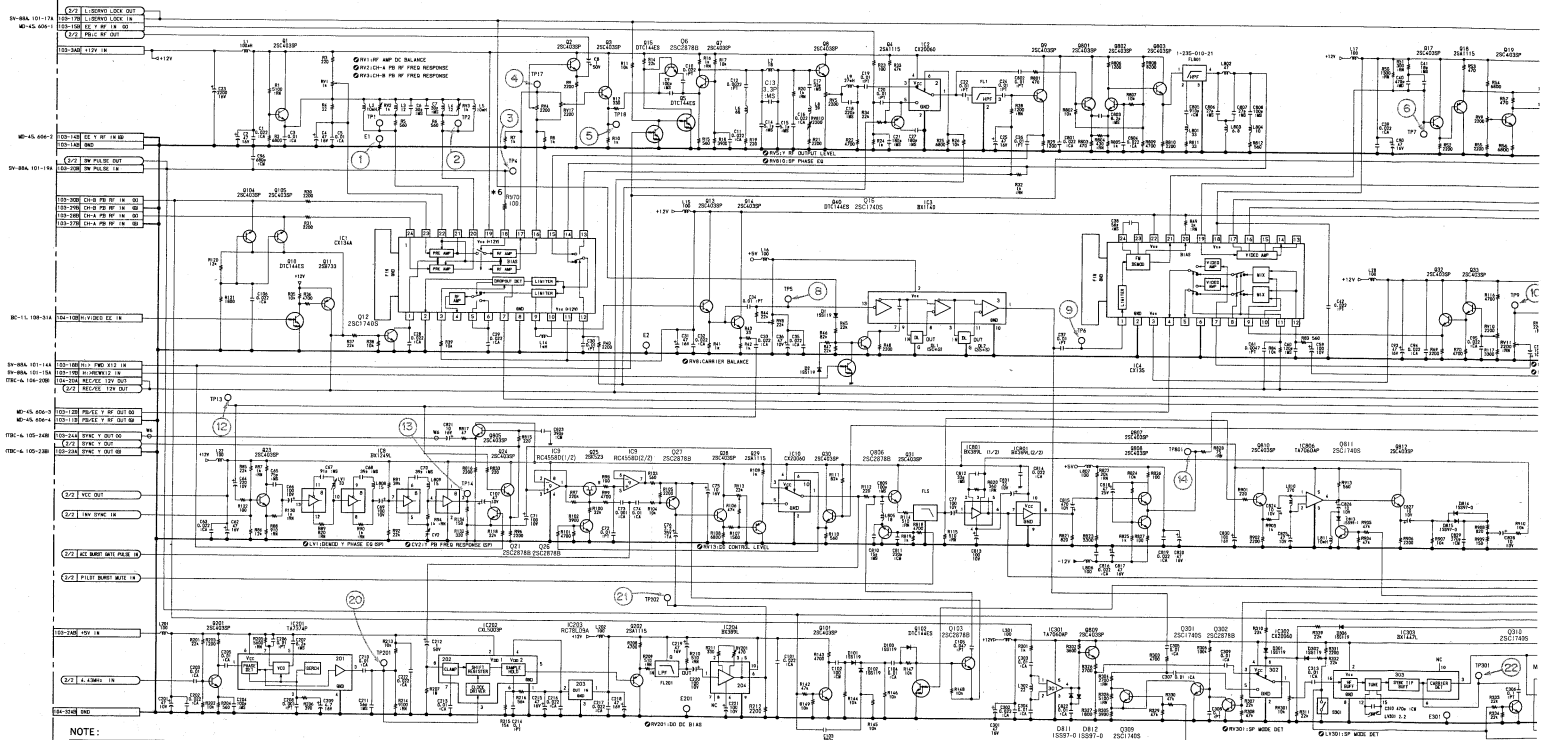
NOTES

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DET CHANGED	EX. 12201
*2	ADD. DET SELECTED	EX. 12201

**DM-55(1/2)**  
 1-622-743-11, 12(2)  
 BVU-950P

## DM-55(1/2): Y/C DEMODULATOR

S/N 10981 AND HIGHER(EK)



## NOTE:

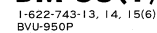
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	J4	R133 ADDED 560	EK: 11661
	J4	T10 ADDED	
	J4	CHANGED	
* 2	L3	R131 910 → 1K	EK: 11881
		C435 ADDED	
		0.022	
* 3	N3	ADDED	EK: 12061
		Q413 DTC144ES	
	N4	R422 CHANGED	
* 4	N4	10K → 4700	EK: 12231
		R422 CHANGED	
		4700 → 2200	

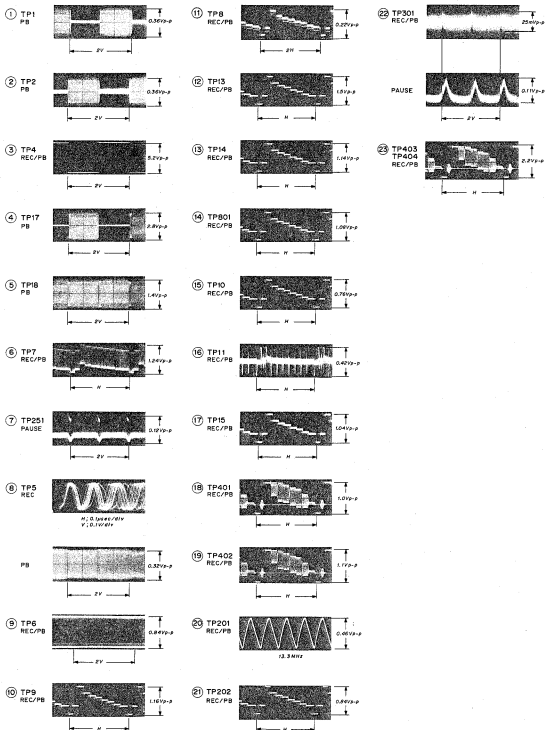
16-31 (b)

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 5	M3	R800 ADDED	EK: 12731
		1M	
	N3	Q413 CHANGED	
* 6	O3	DTC144ES → 25C1815	EK: 13731
		R480 ADDED	
		10K	
* 7	O3	R480 ADDED	EK: 13991
		10K	
	D2	R970 ADDED	
		100	

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 8	L1	IC5 CHANGED	EK: 16326
		TC4053BP	
		↓	
* 9	N3	MC14053BCP	EK: 13991
		IC403 CHANGED	
		TC4053BP	
* 10	L1	MC14053BCP	EK: 13991
		IC515 CHANGED	
		HD14538BP	
* 11	L1	MC14538BP	EK: 13991
		IC515 CHANGED	
		HD14538BP	

16-32 (b)

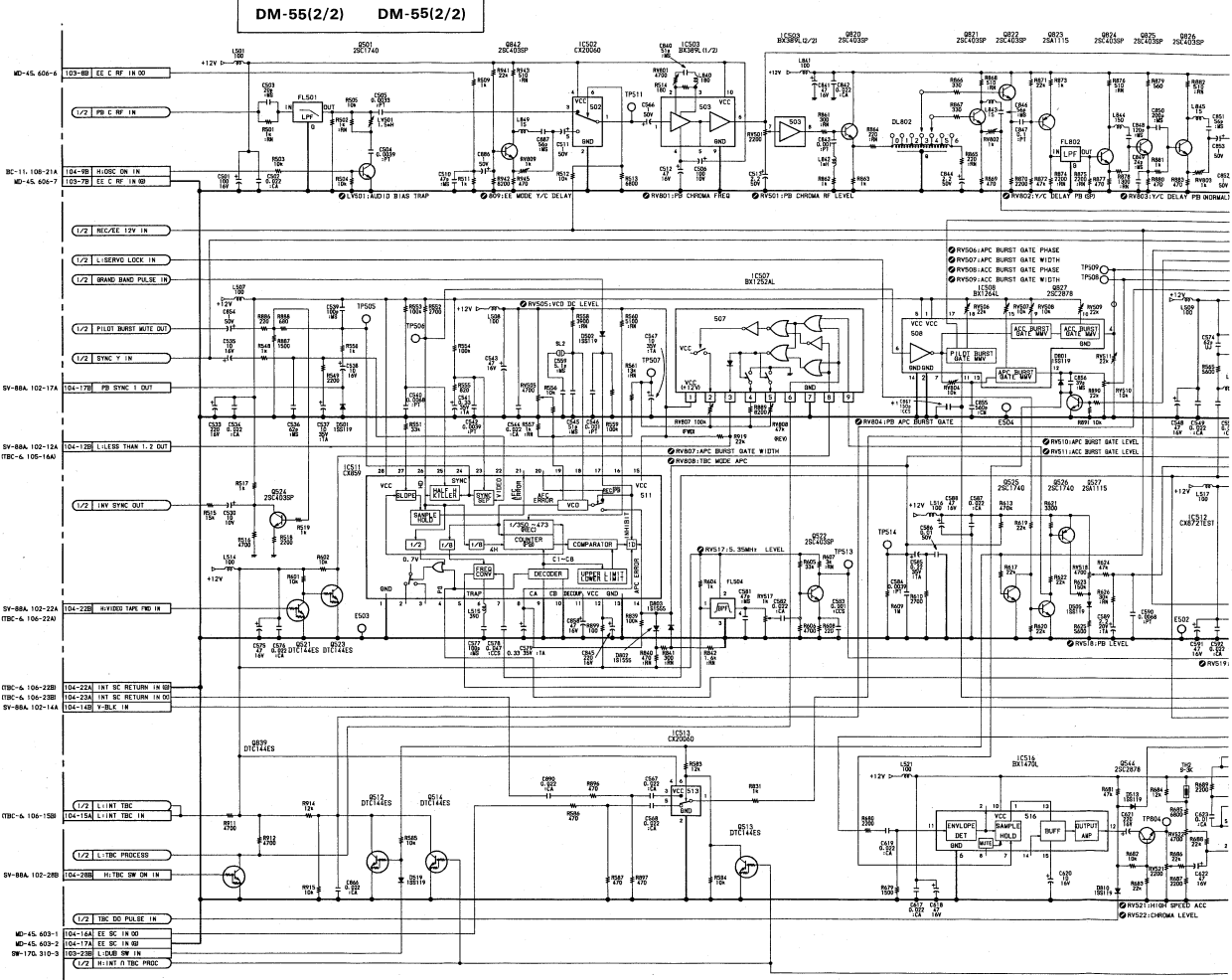




# DM-55(2/2); Y/C DEMODULATOR

S/N UP TO 10980(EK)

MARK	CHANGE INFORMATION	SERIAL NO.
*1	CHP. ADDED	EX. 10801
*2	REG. ADDED	EX. 10801



16-41(a)

16-42(a)

A

B

C

D

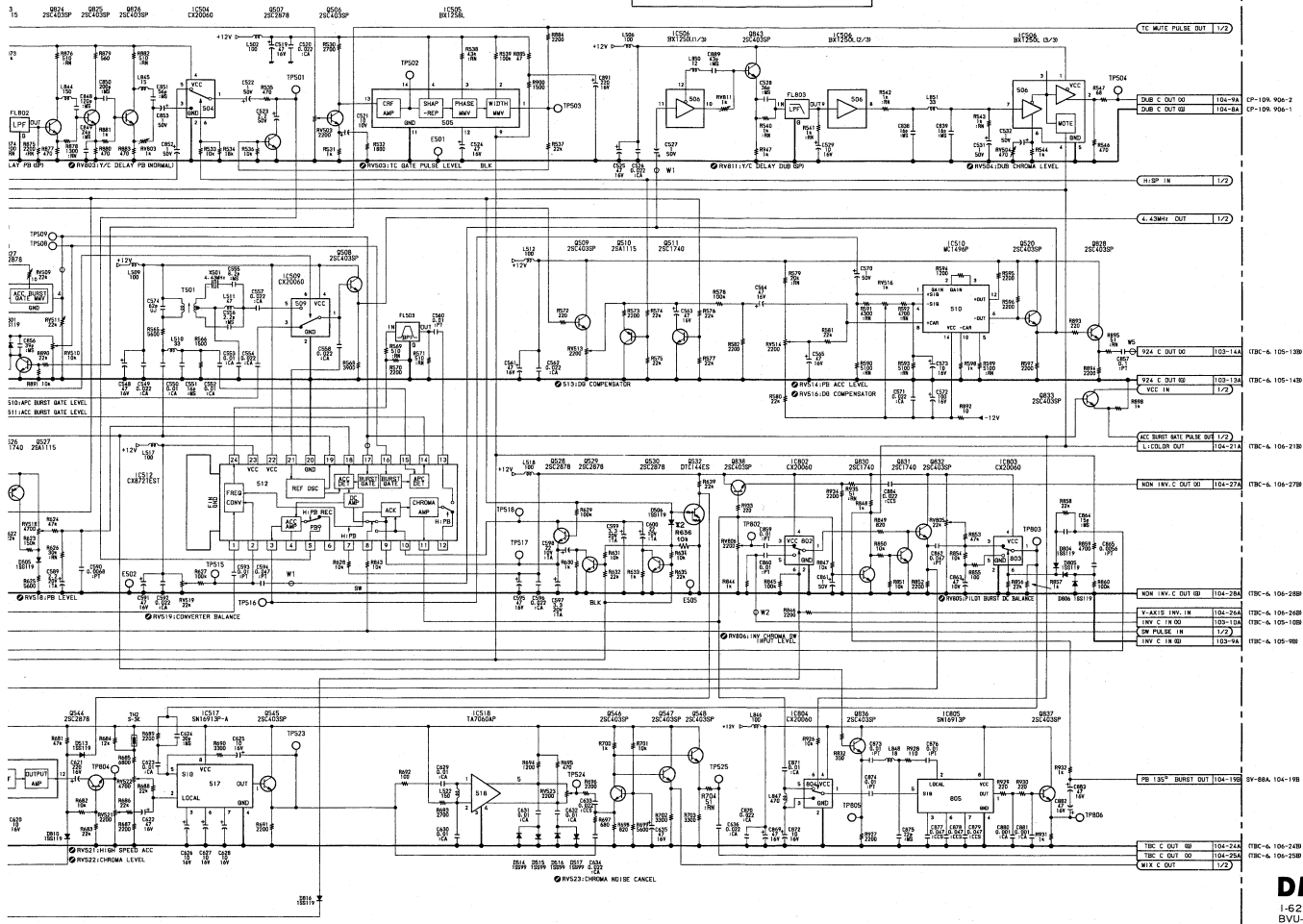
E

F

G

H





DM-55(2/2)

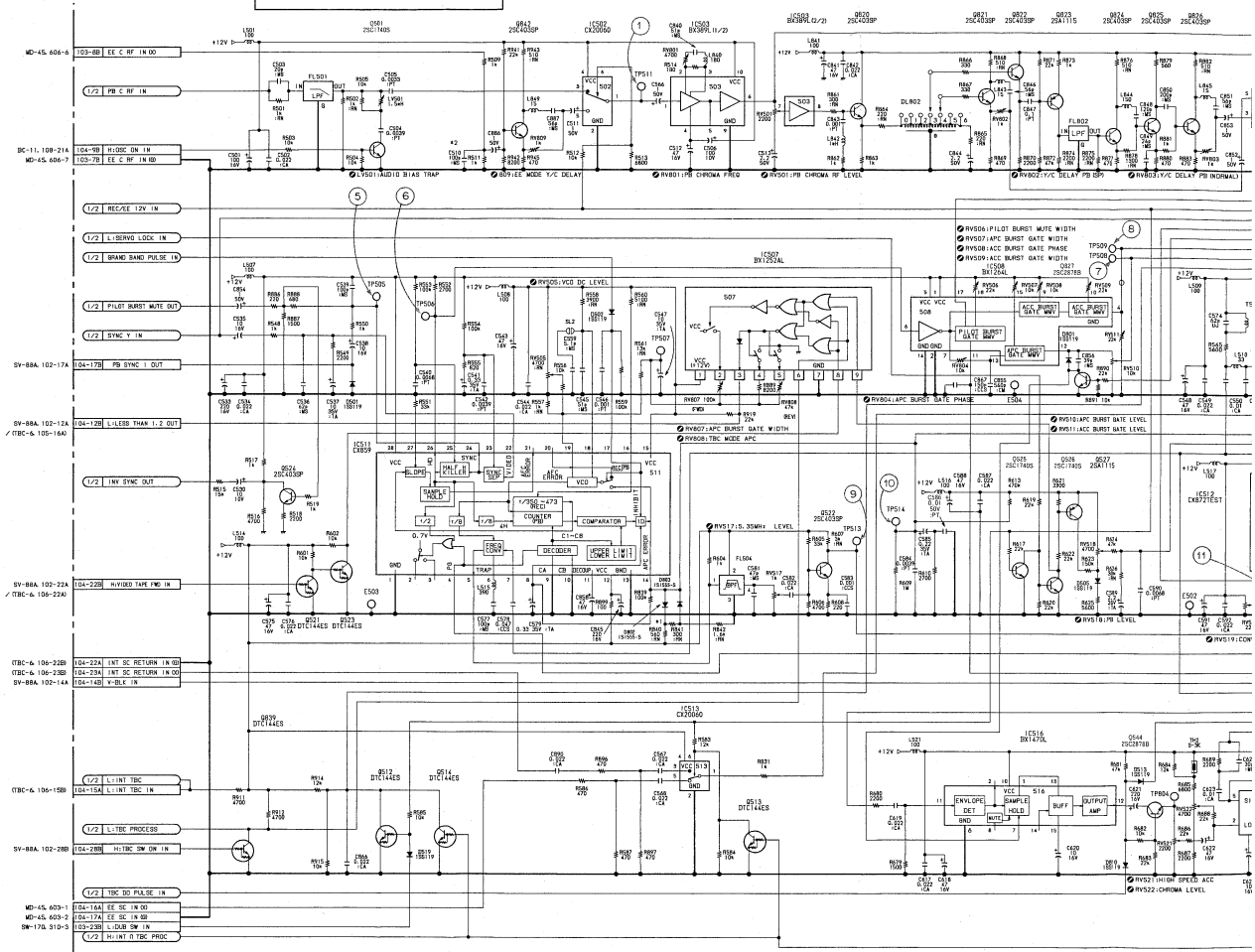
I-622-743-1.1, 1.2(2)  
BVU-950P

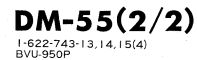
DM-55(2/2)      DM-55(2/2)

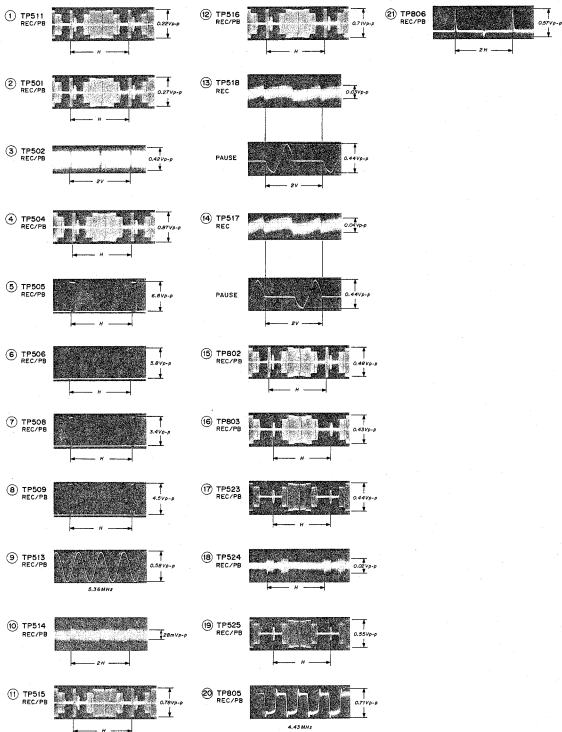
M-55(2/2); Y/C DEMODULATOR  
S/N 10981 AND HIGHER(EK)

**NOTE:**

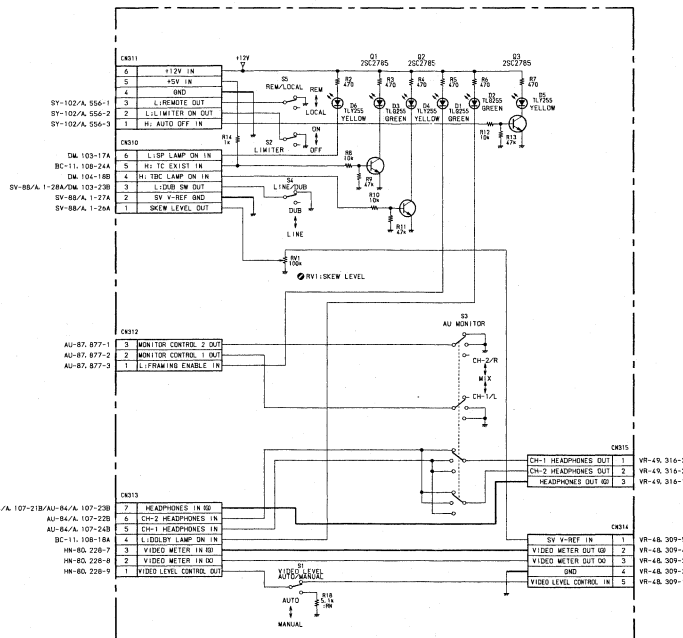
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	F-4	R840 CHANGED 470 → 560	EX; 11281-
* 2	E-1	C510 CHANGED 47P → 100P	EX; 11681-
* 3	M-2	R592 CHANGED 4700 → 4300	EX; 13731-
	J-2	Q555 ADDED DTC124FS	







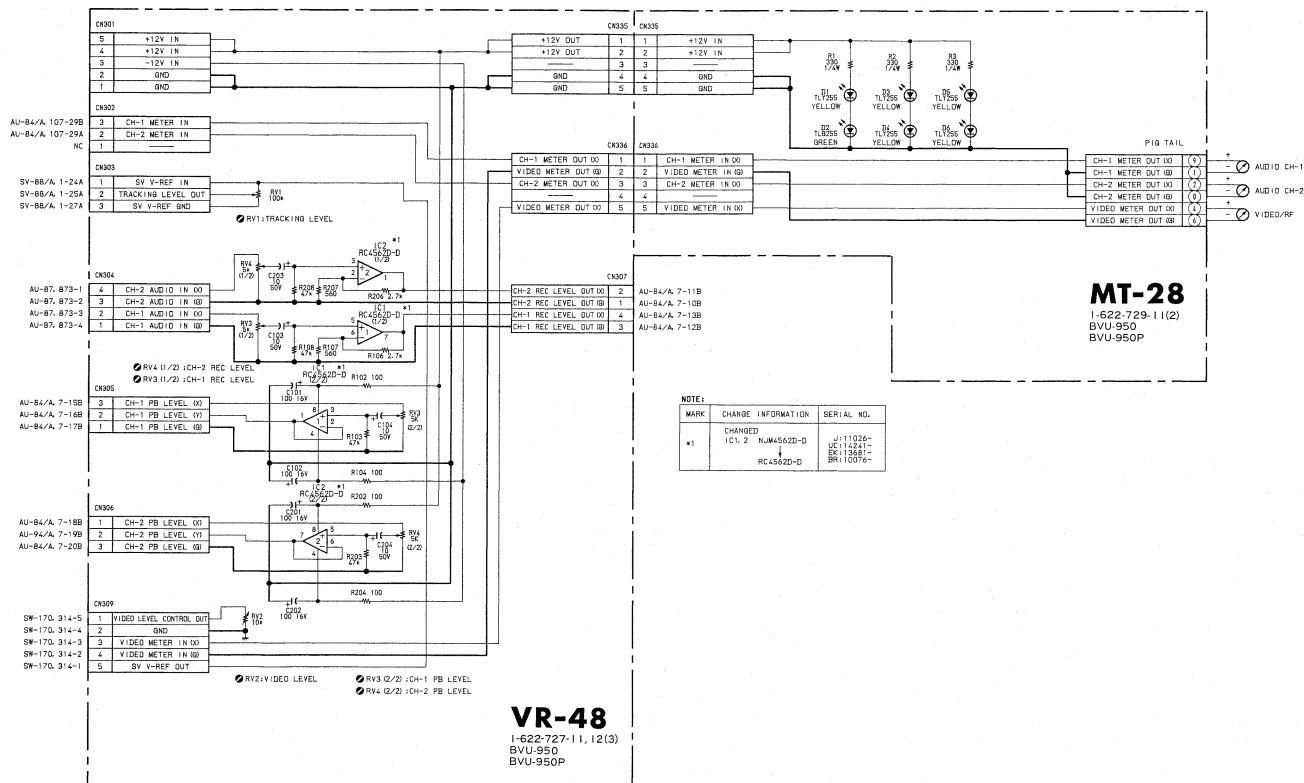
SW-170: SELECT SWITCH/WARNING INDICATOR



**SW-170**

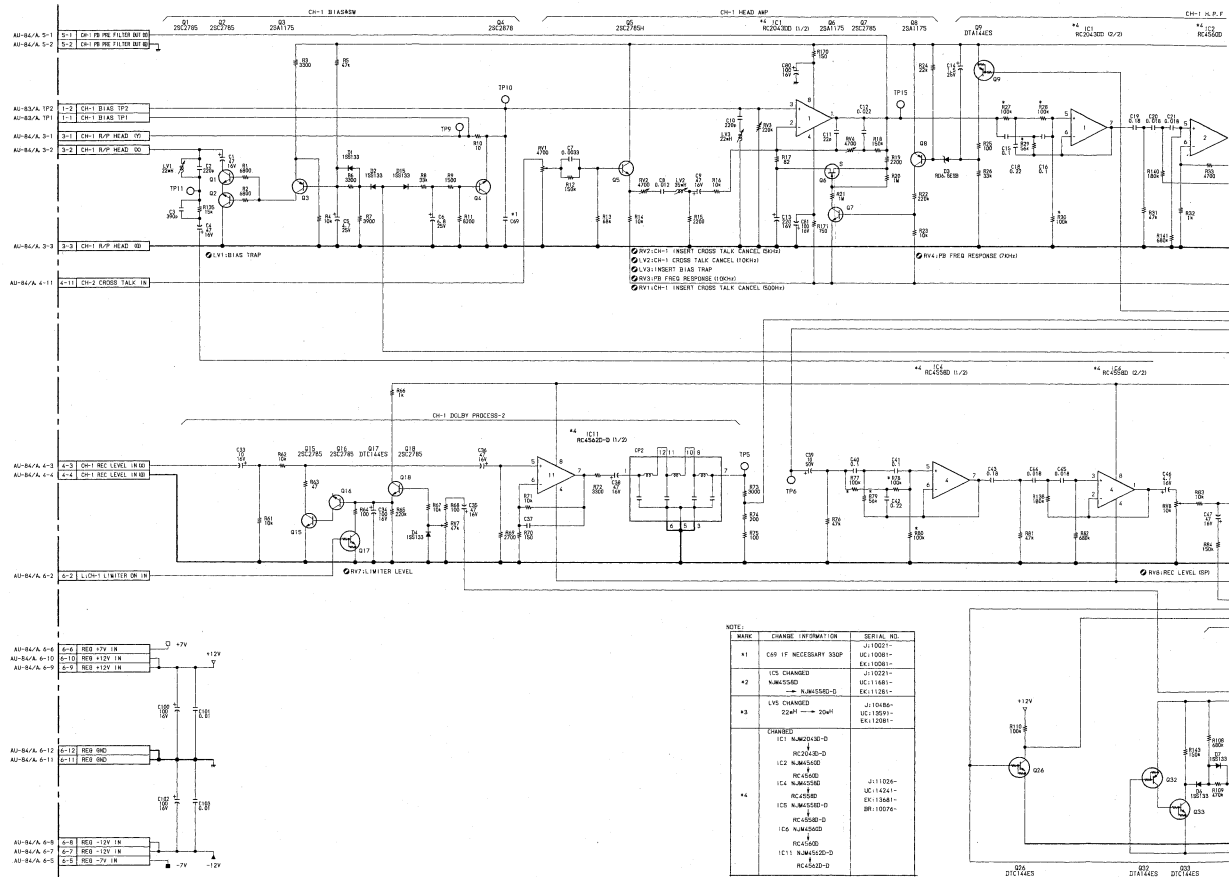
1-622-737-11(2)  
BVU-950  
BVU-950P

**MT-28: VIDEO/AUDIO LEVEL METER**  
**VR-48: VIDEO/AUDIO/TRACKING LEVEL CONTROL**



**AU-83A, DUS-71**

AU-83A; CH-1 REC/PB /DOLBY PROCESSOR  
DUS-71; VARIABLE COIL





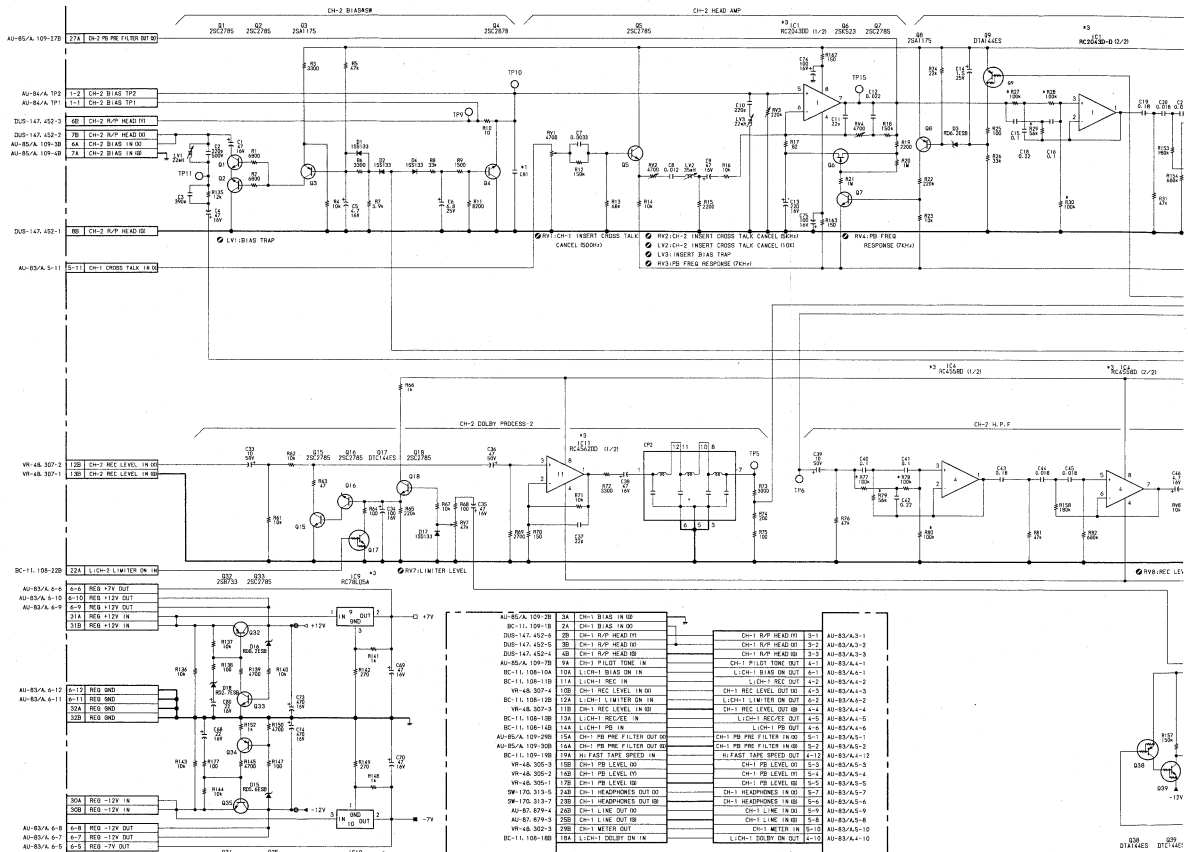
1-622-700-11, 12, 13(4)  
BVU-950  
BVU-950P

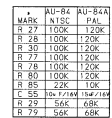


U-84A; CH-2 REC/PB AMPLIFIER  
DUS-71; VARIABLE COIL

**NOTE:**

MARK	CHANGE INFORMATION	SERIAL NO.
# 1	CBI IF NECESSARY 330P	J : 10021; UC: 10001; EC: 10001;
# 2	ICS CHANGED NUM558D → NUM558D CHANGED IC1: NUM2043D	J : 10221; UC: 11681; EC: 11681;
# 3	RC2043D IC2 NUM5560  RC4560 IC4 NUM558D  RC4558D IC5 NUM4558D  RC4558D IC6 NUM5560  RC4560 IC9 NUM78L05A  RC78L05A IC10 NUM79L05A  RC79L05A IC11 NUM4562D	J : 11026; UC: 14204; EC: 13660 BR: 10760
# 4	LVS CHANGED 22mm → 20mm	J : 11326; UC: 15641; EC: 13731;



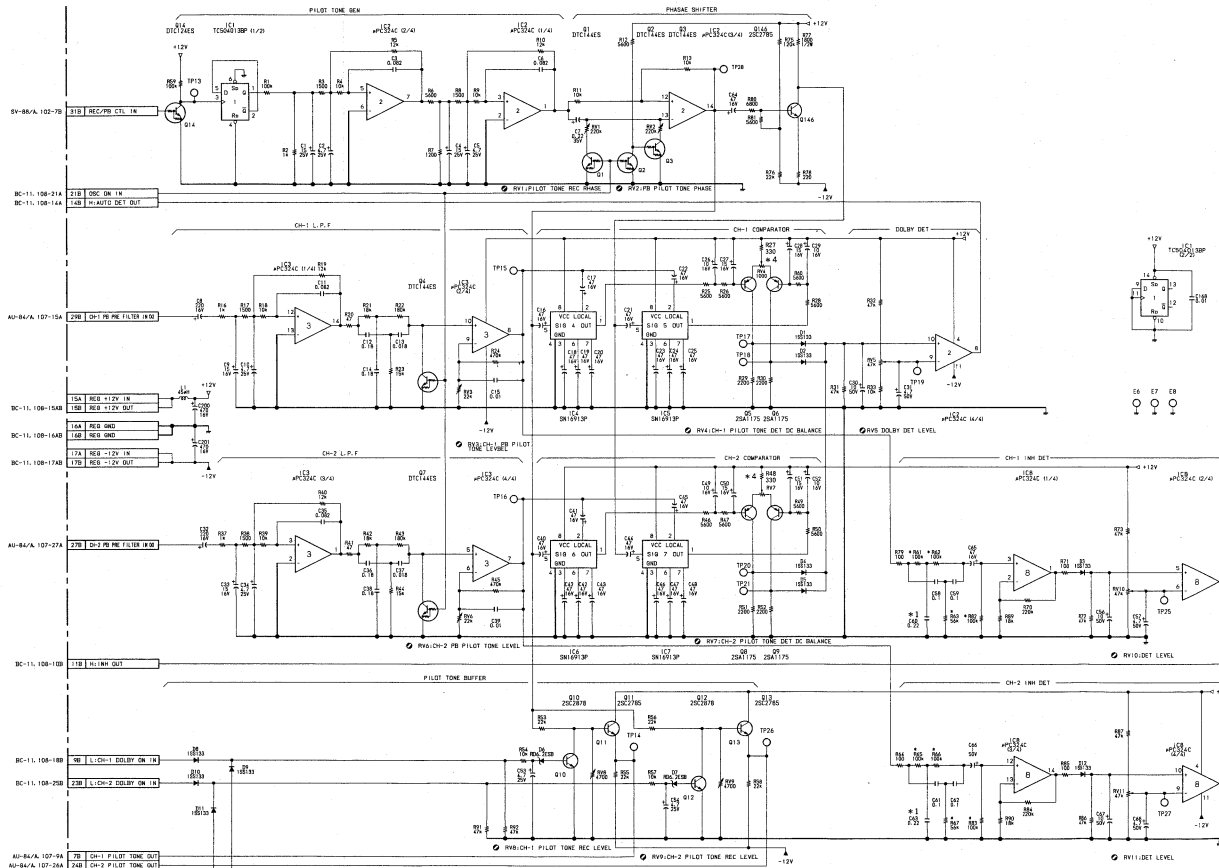


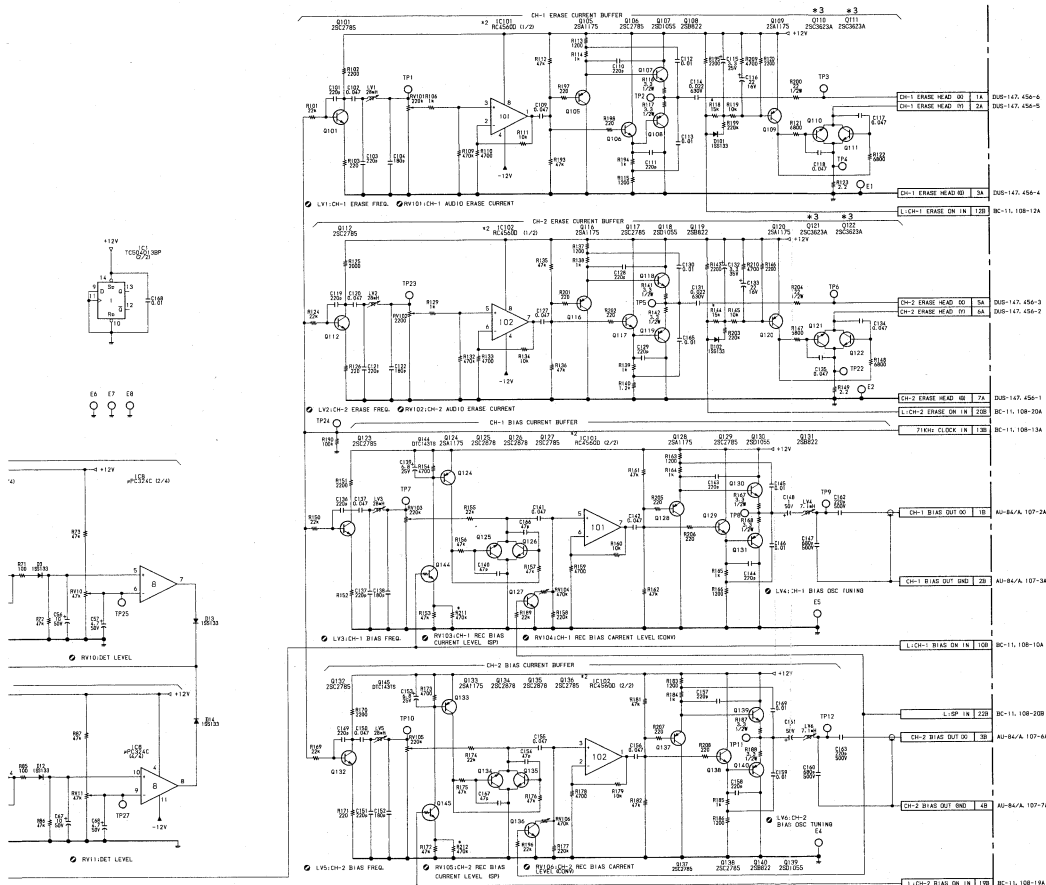
**AU-84/A**  
1-622-701-11,12,13(5)  
BVU-950  
BVU-950P

## AU-85A: DOLBY AUTO DETECTOR, BIAS OSCILLATOR

## NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
#1	G-4	C50 CHANGED 0.022/35V → 0.22	J : 10221- TA → TP
	G-5	C63 CHANGED 0.022/35V → 0.22	UC : 11681- EX : 11281- TA → TP
#2	K-1	IC101 CHANGED NJM45600	J : 11026- UC : 14241- EX : 13681- BR : 10076-
	K-2	IC102 CHANGED NJM45600	
#3	L-1	Q110, 111 CHANGED 2SC2878	J : 11596- UC : 16586- EX : 14271-
	L-2	Q121, 122 CHANGED 2SC2878	
#4	G-2	R27 CHANGED 470 → 330	J : 11736- UC : 17256- EX : 14536-
	G-3	R48 CHANGED 470 → 330	



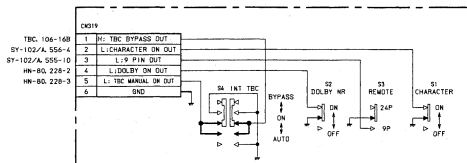


MARK	AU-85	AU-85A
RES1	100K	120K
RES2	100K	120K
RES3	100K	120K
RES4	100K	120K
RES5	10K	12K
RES6	10K	12K
RES7	10K	12K
RES8	10K	12K
RES9	10K	12K
RES10	10K	12K
RES11	10K	12K
RES12	10K	12K
RES13	10K	12K
RES14	10K	12K
RES15	10K	12K
RES16	10K	12K
RES17	10K	12K
RES18	10K	12K
RES19	10K	12K
RES20	10K	12K

**AU-85/A**

I-622-702-1, 12, 13, 14(7)  
BVU-950  
BVU-950P

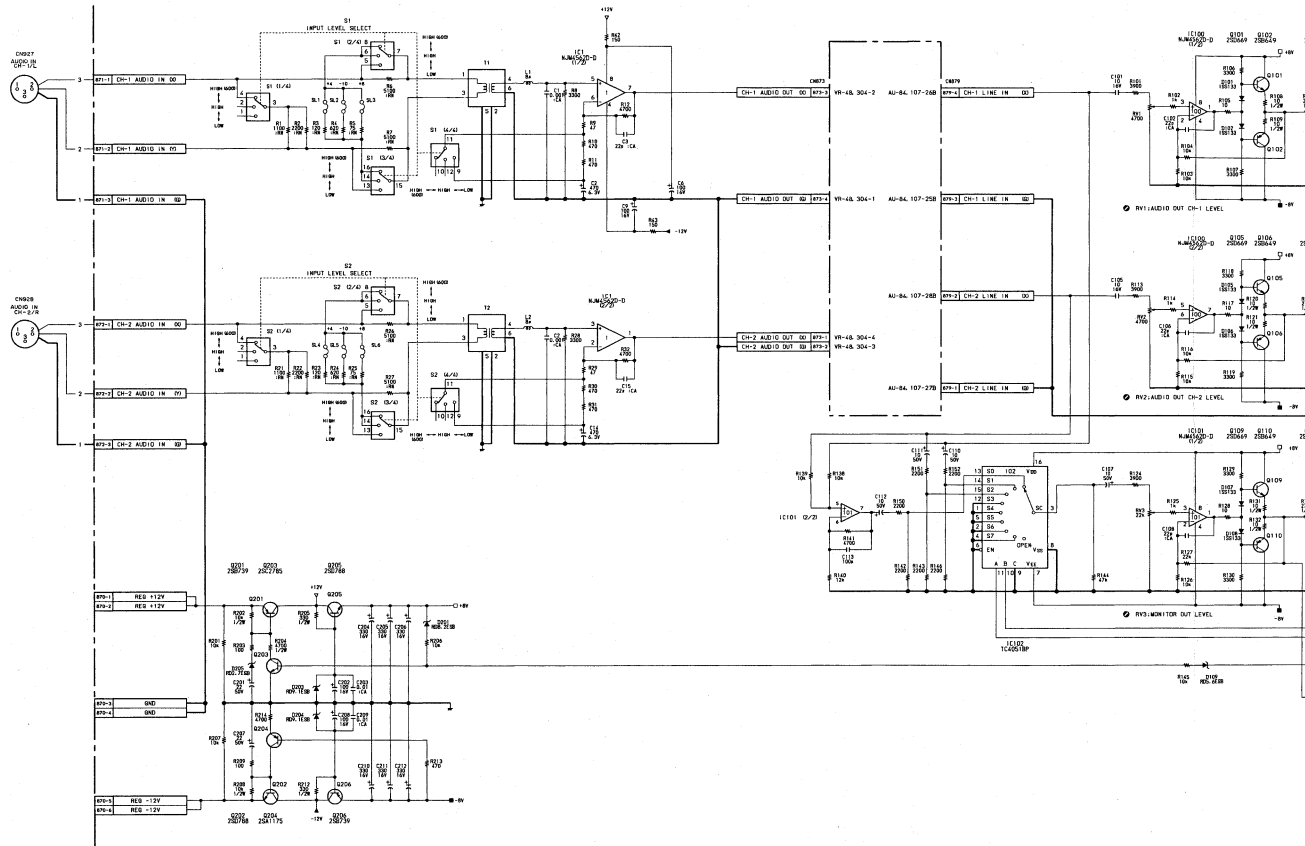
## SW-171: SELECT SWITCH

**SW-171**

1-622-738-11, 12(2)  
BVU-950  
BVU-950P

## AU-87: MIC/OUTPUT/MONITOR AMPLIFIER

S/N UP TO 10980(EK)



16-84 (a)

16-85 (a)

A

B

C

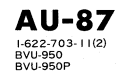
D

E

F

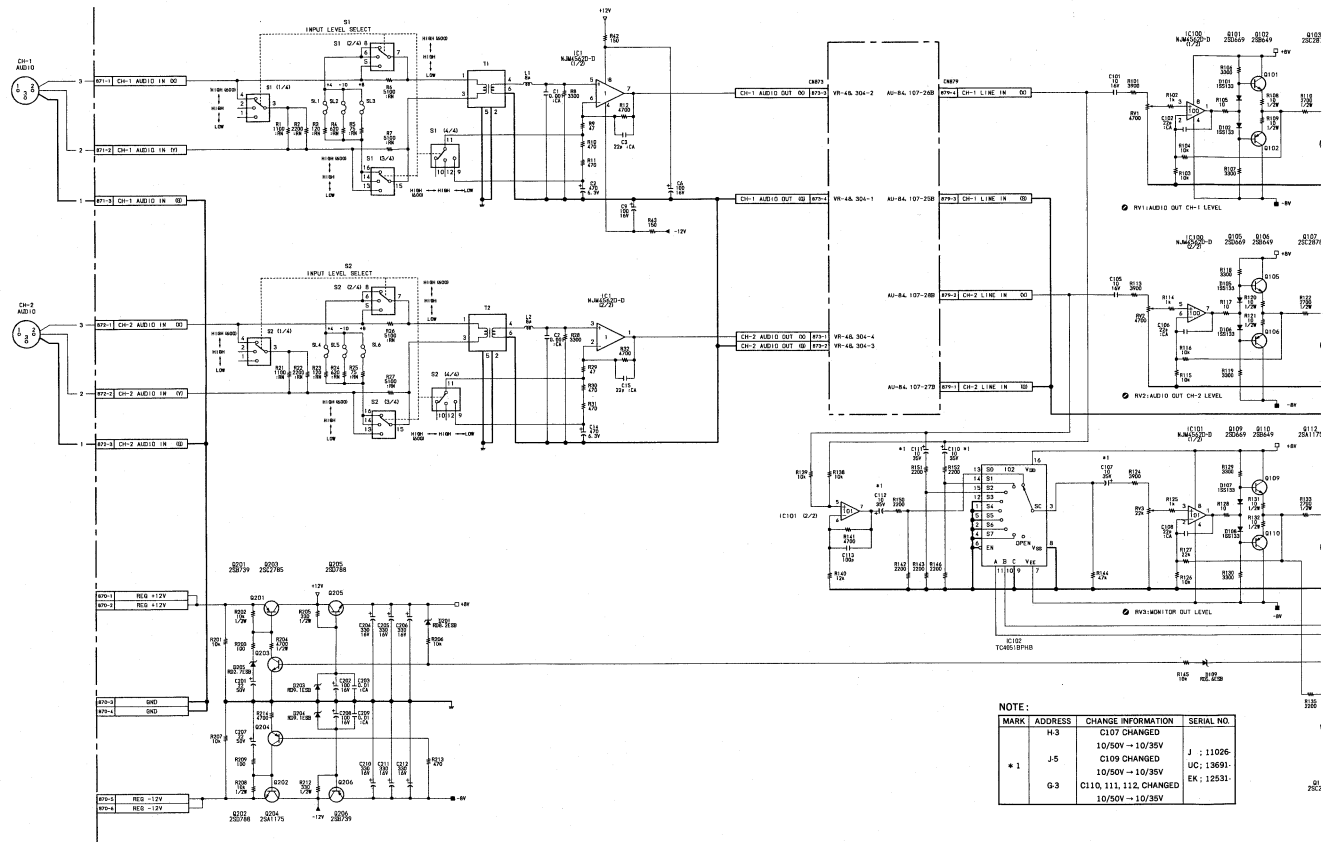
G

H



## AU-87: MIC/OUTPUT/MONITOR AMPLIFIER

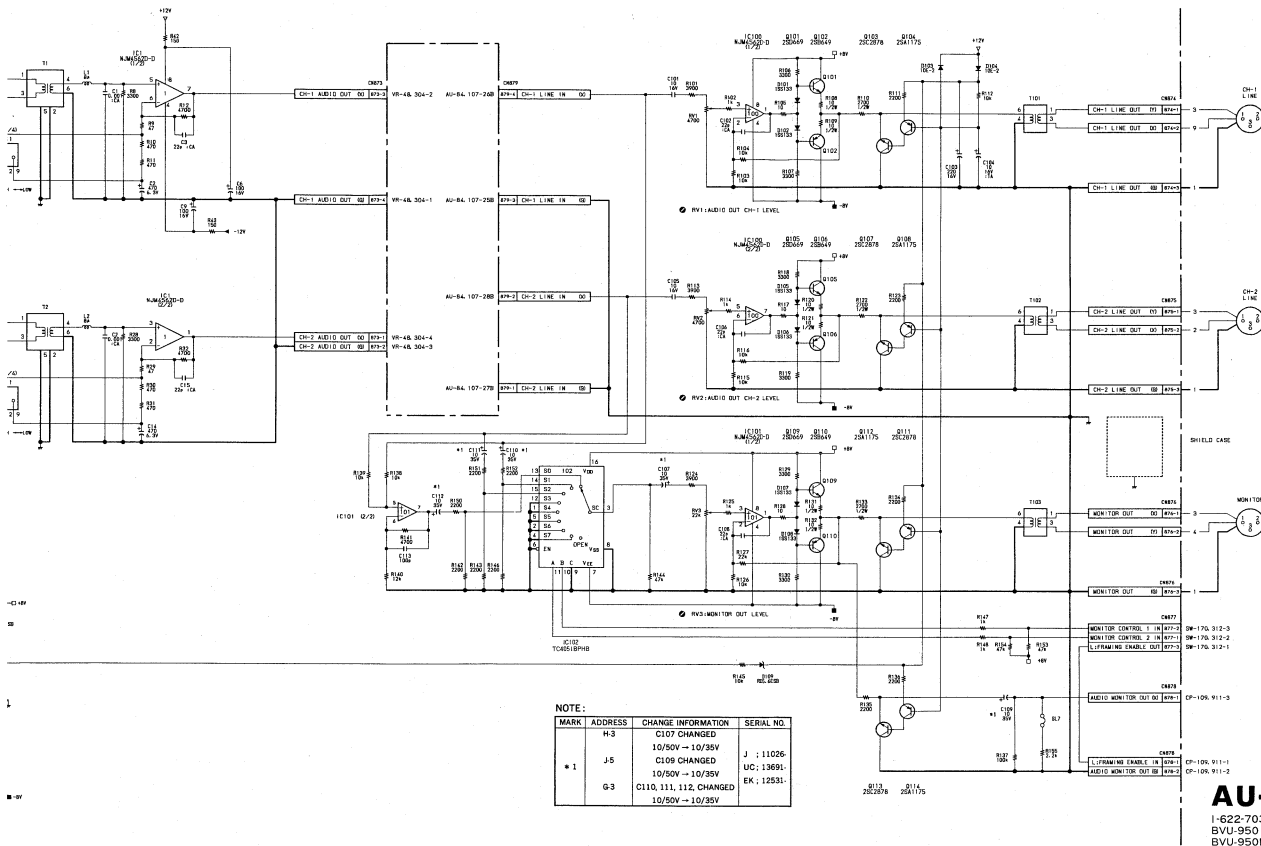
S/N 10981 AND HIGHER(EK)



16-84 (b)

16-85 (b)



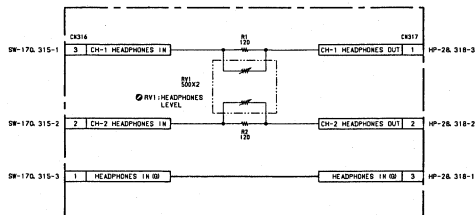


**AU-87**  
 1-622-703-12, 13, 14(2)  
 BVU-950  
 BVU-950P

# HP-28,VR-49

HP-28; HEADPHONES

VR-49; HEADPHONES LEVEL CONTROL

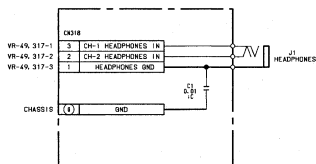


**VR-49**

I-622-731-11(1)

BVU-950

BVU-950P

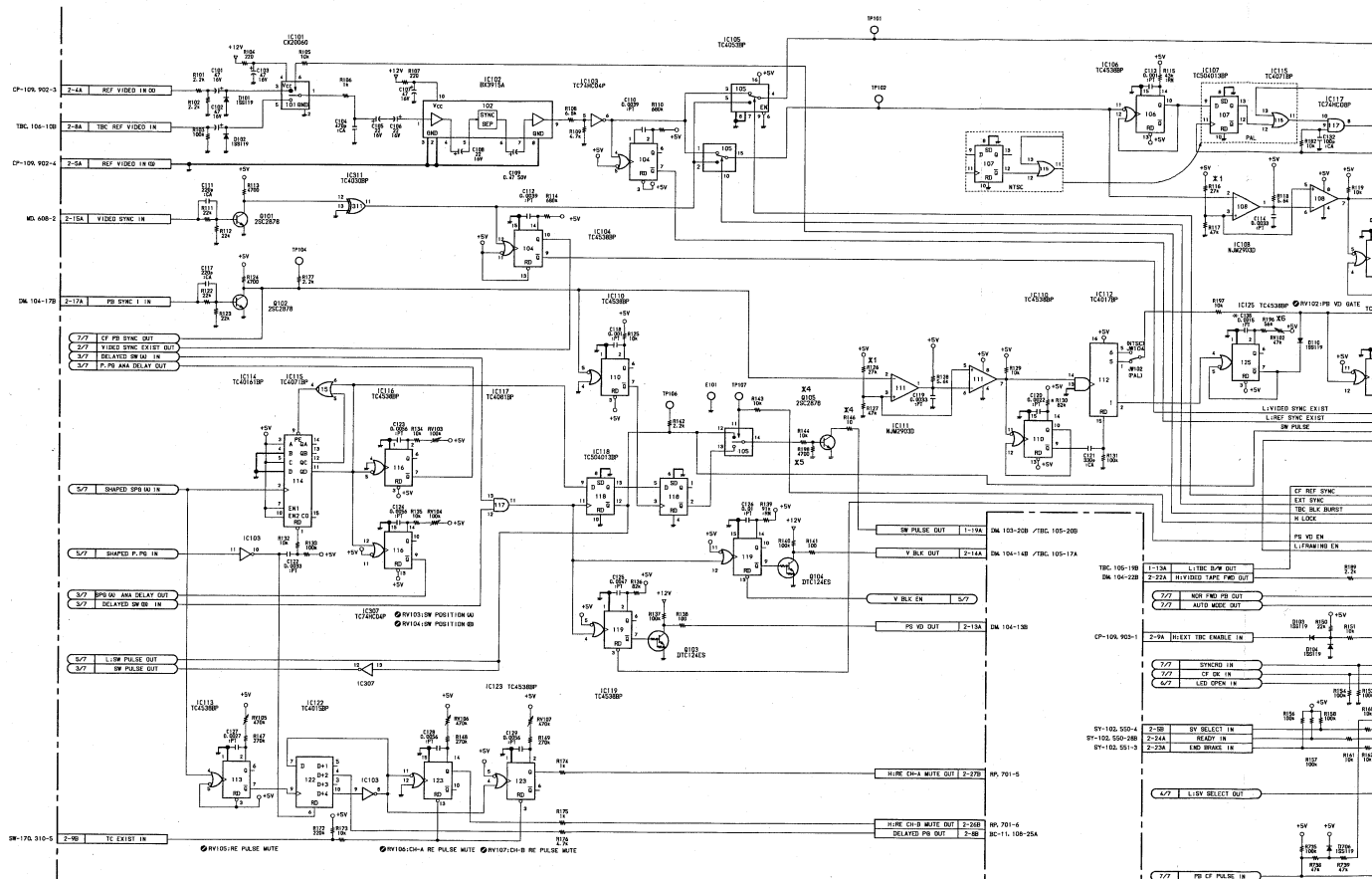


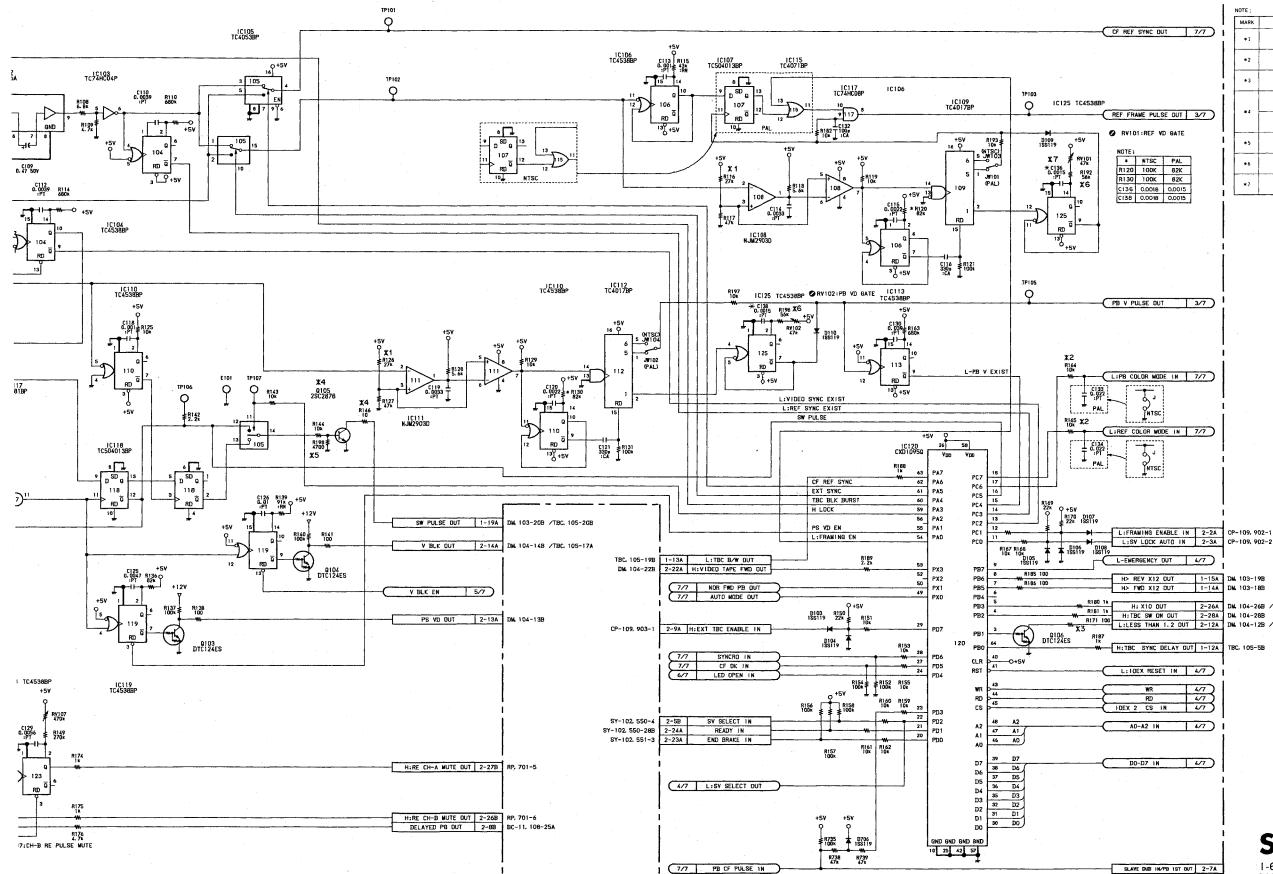
**HP-28**

I-622-730-11(2)

BVU-950

BVU-950P



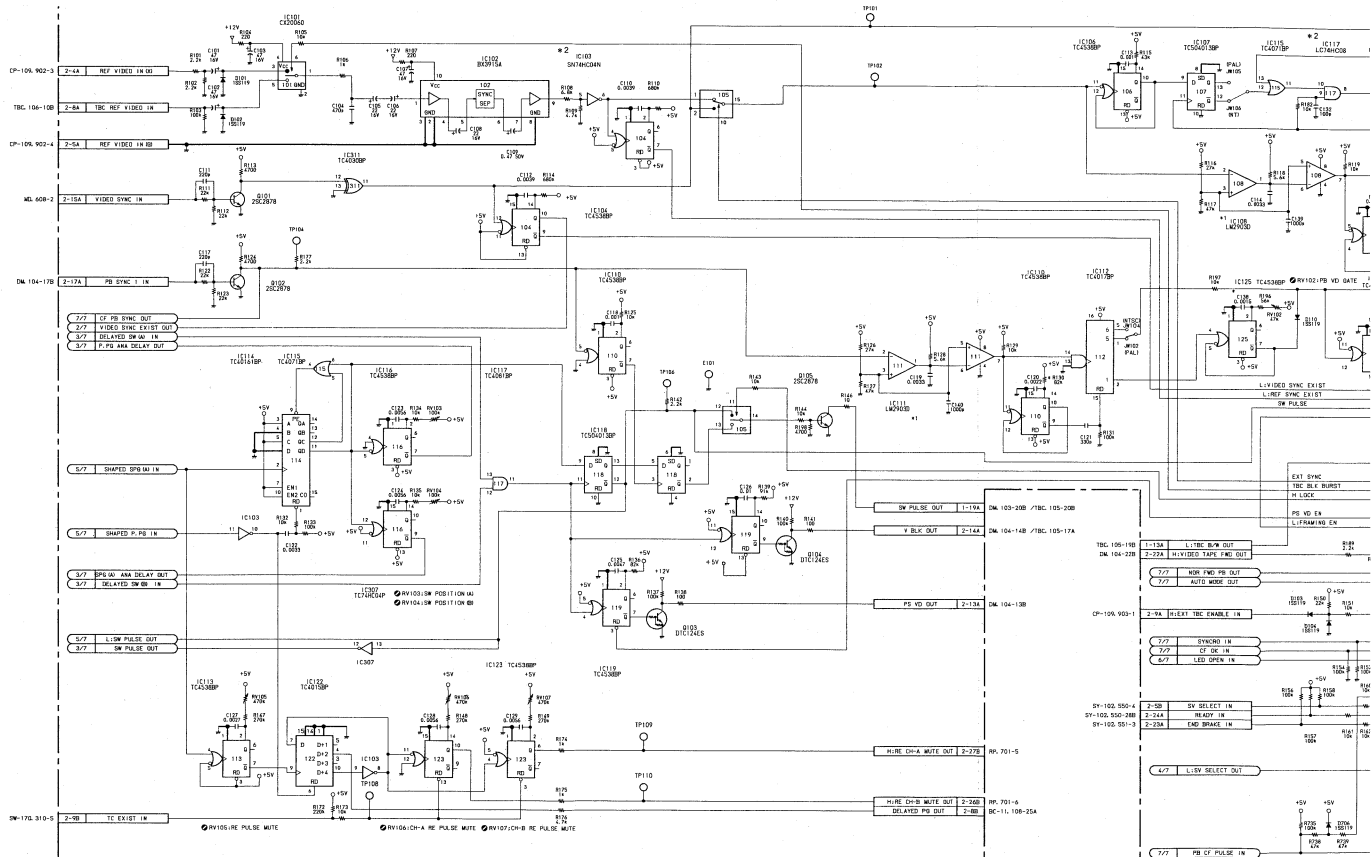


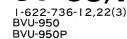
MARK	CHANGE INFORMATION	SERIAL NO.
#1	ADD 10A ADDED	
#2	ADD 10A ADDED	
#3	ADD 10A ADDED	
#4	ADD 10A ADDED	
#5	ADD 10A ADDED	
#6	ADD 10A ADDED	
#7	ADD 10A ADDED	

SV-88/A(1/7)

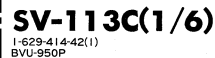
1-622-736-1(3)  
BVU-950  
BVU-950P

**S/N 10981 TO 13730 (EK)**





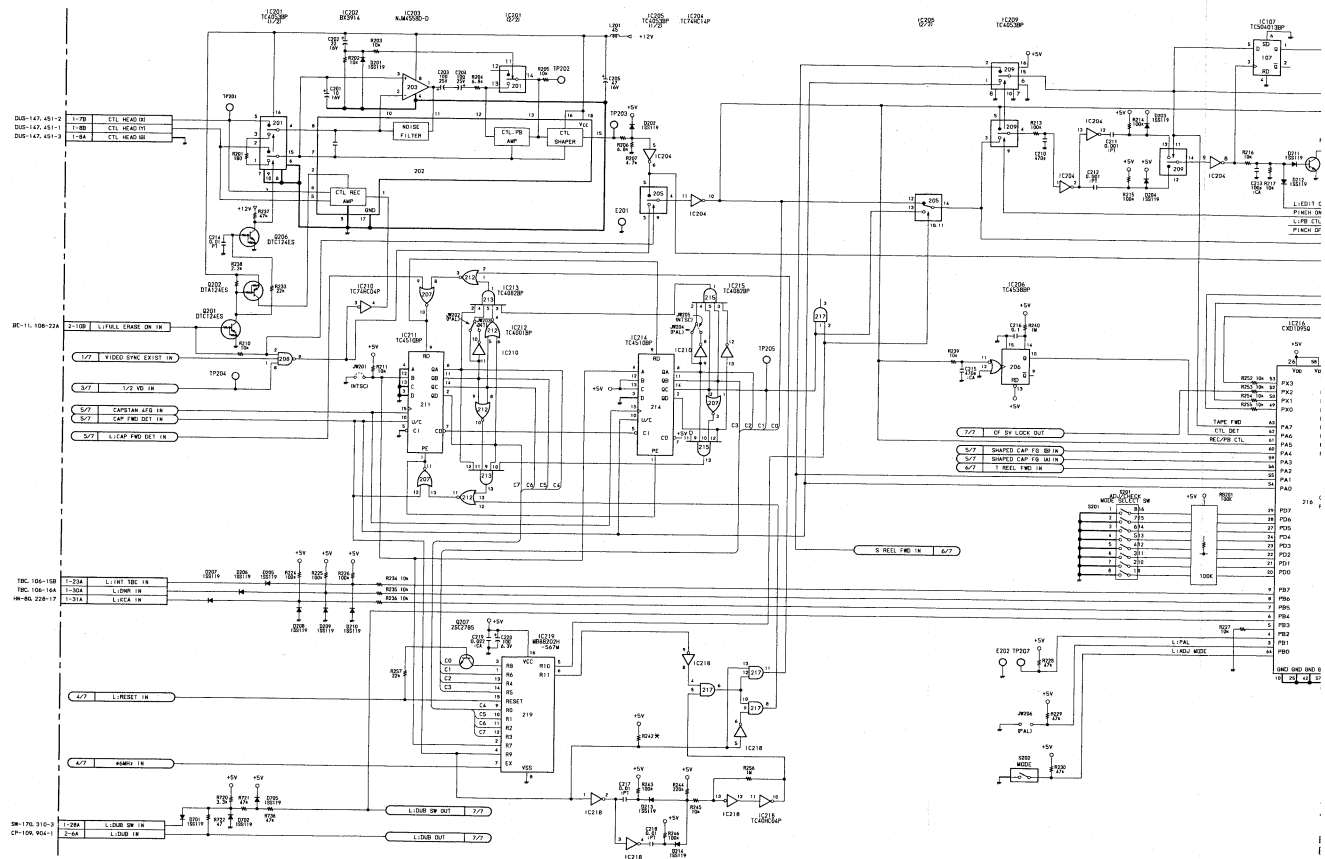


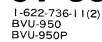




## SV-88A(2/7): CTL REC/PB AMPLIFIER

S/N UP TO 10980(EK)





\* = NOT MOUNTED

**S/N 10981 TO 13730 (EK)**



16-99 (b)

4



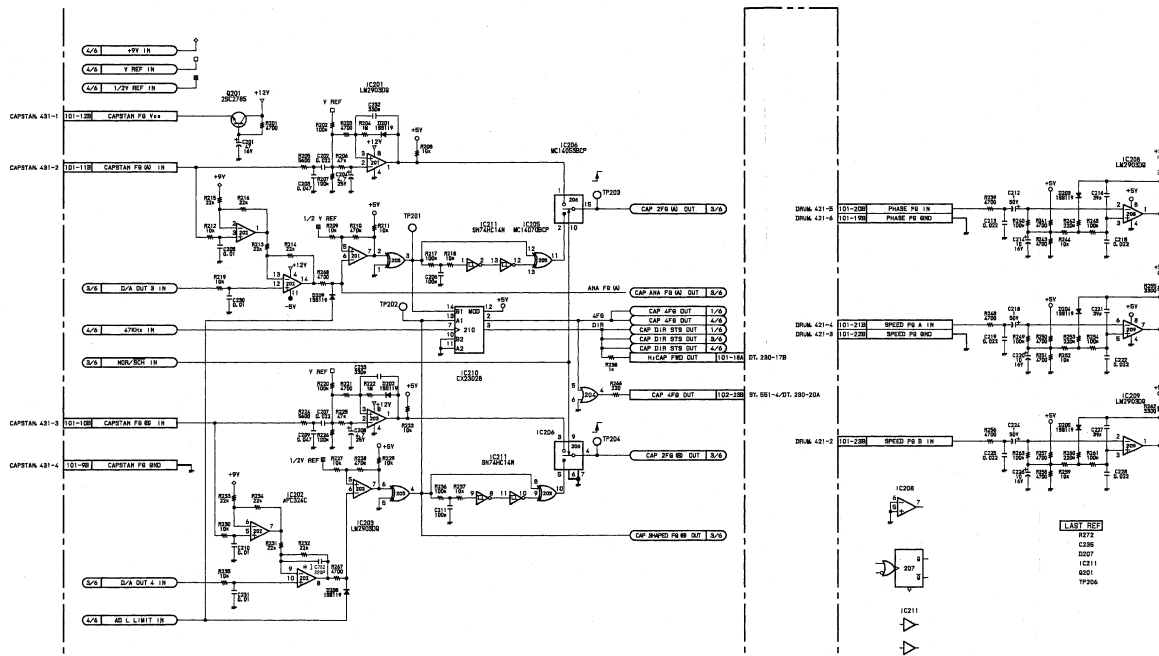
I-622-736-12,22(4)  
BVU-950  
BVU-950P

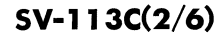
NOTE:		
MARK	CHANGE INFORMATION	SERIAL NO.
# 1	R722 DELETED	J : 10481 UC : 13191
# 2	IC203 CHANGED	J : 11026
	NJ4558D-D	UC : 14241
	↓	EK : 13681
	RC4558D-D	BR : 10076
# 3	IC204 CHANGED	
	TC74HC14P	
	↓	
	SN74HC14N	
	IC210, 218 CHANGED	J : 11326
	TC74HC04P	UC : 15291
	↓	EK : 13731
	SN74HC04N	BR : 10076
	IC217 CHANGED	
	TC74HC08P	
	↓	
	LC74HC08	

SV-113C(2/6); DRUM/CAPSTAN PG/FG S/N 13731 AND HIGHER (EK)

## NOTE:

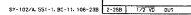
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	D-4	C762 ADDED 220P	EK: 14191

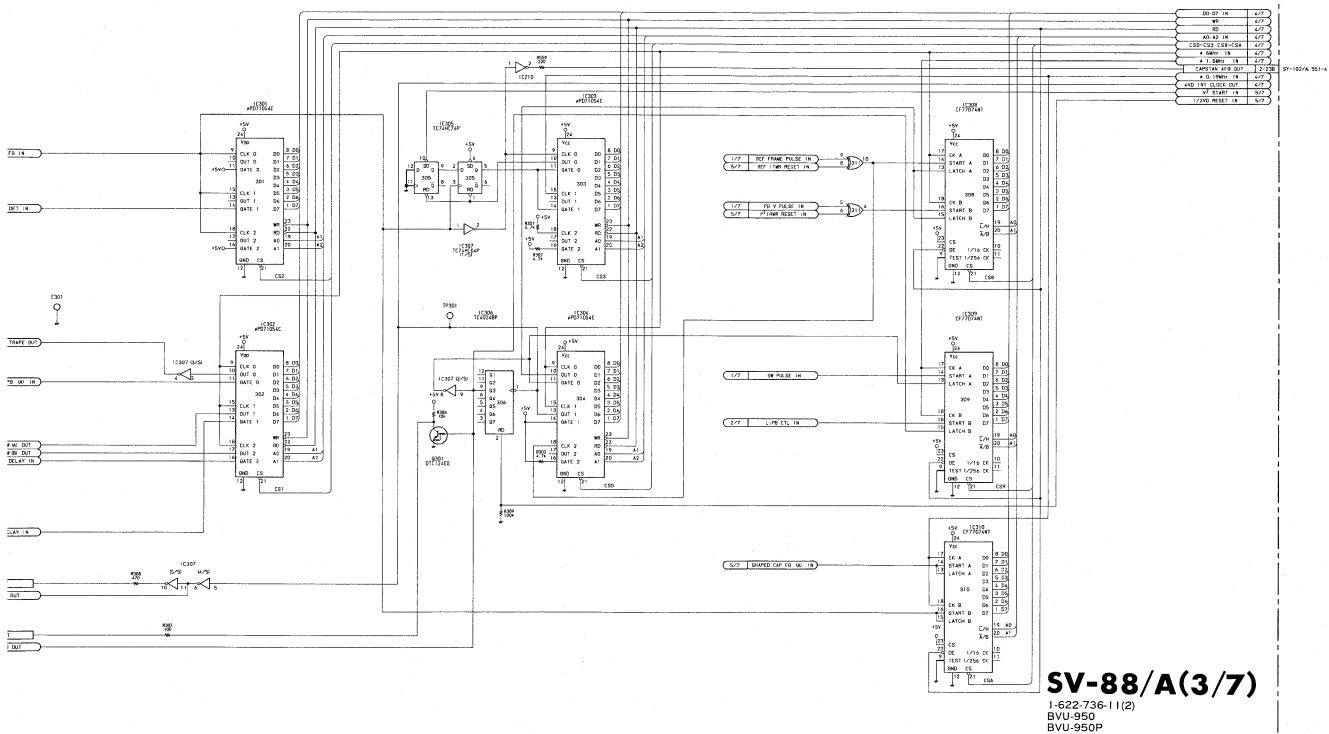




BVU-950F

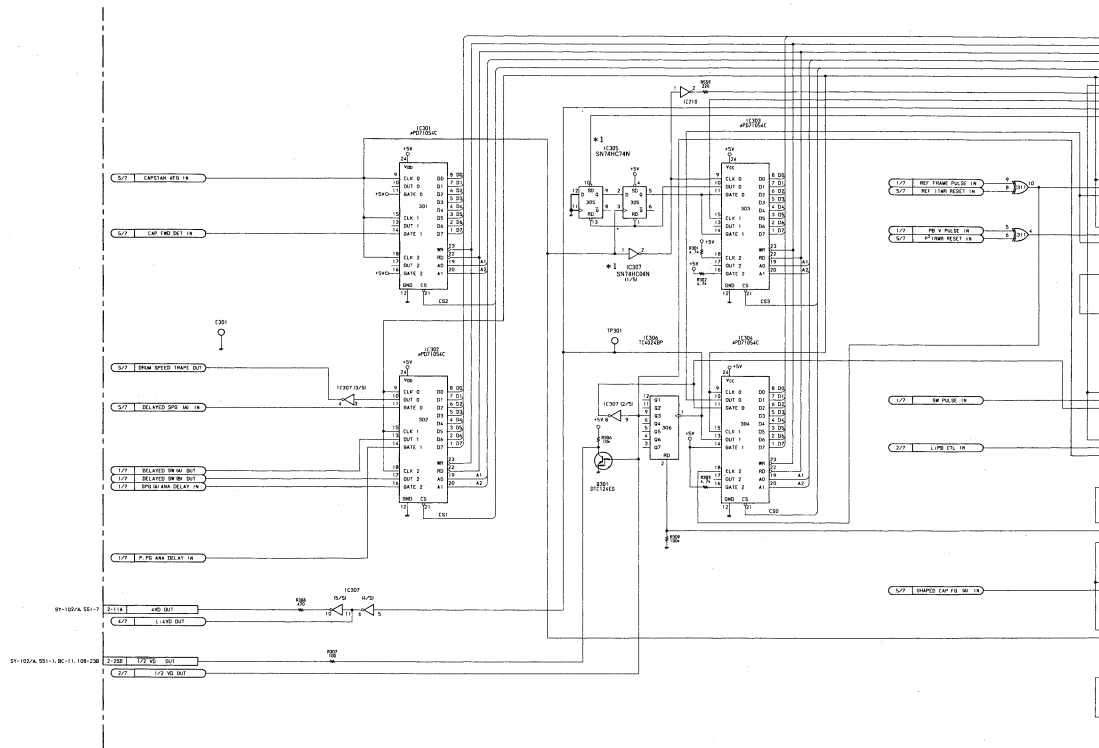
**S/N UP TO 10980(EK)**

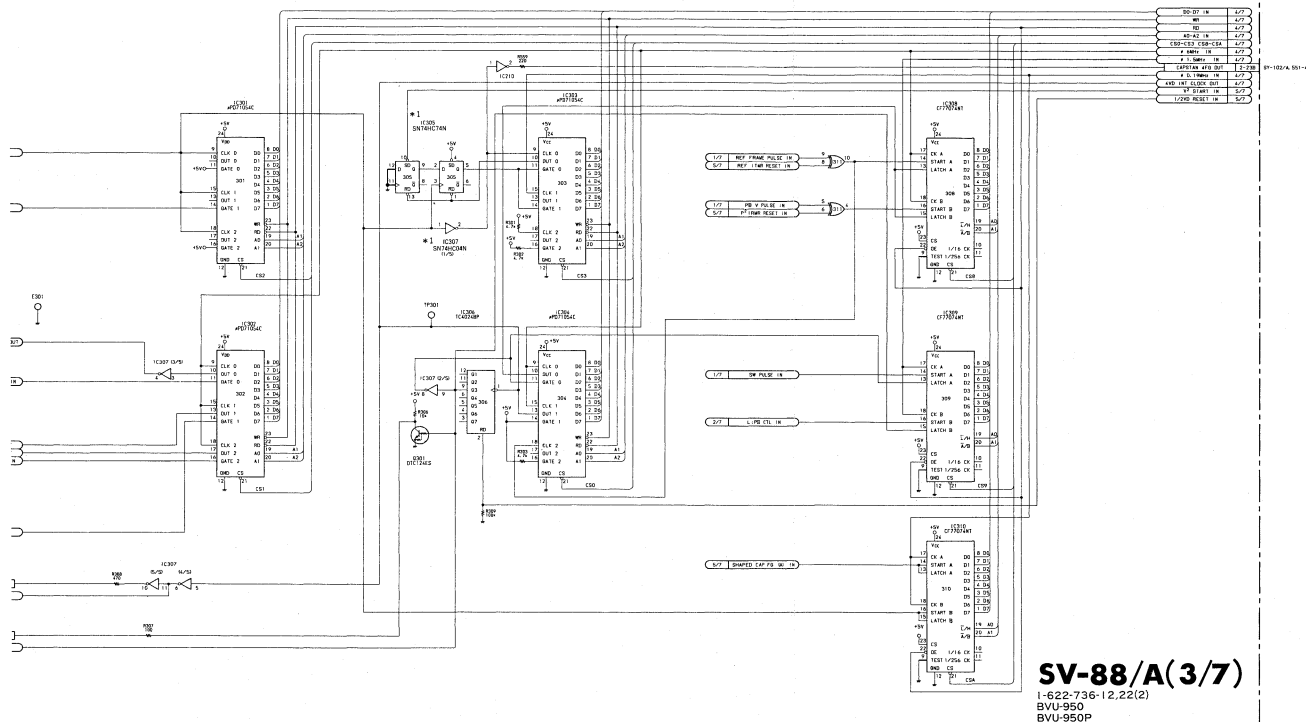






MARK	CHANGE INFORMATION	SERIAL NO.
* 1	IC305 CHANGED	
	TC74HC74P	
	↓	J : 11326
	SN74HC74N	UC : 15291
	IC307 CHANGED	EK : 13731
	TC74HC04P	BR : 10076
	↓	
	SN74HC04N	



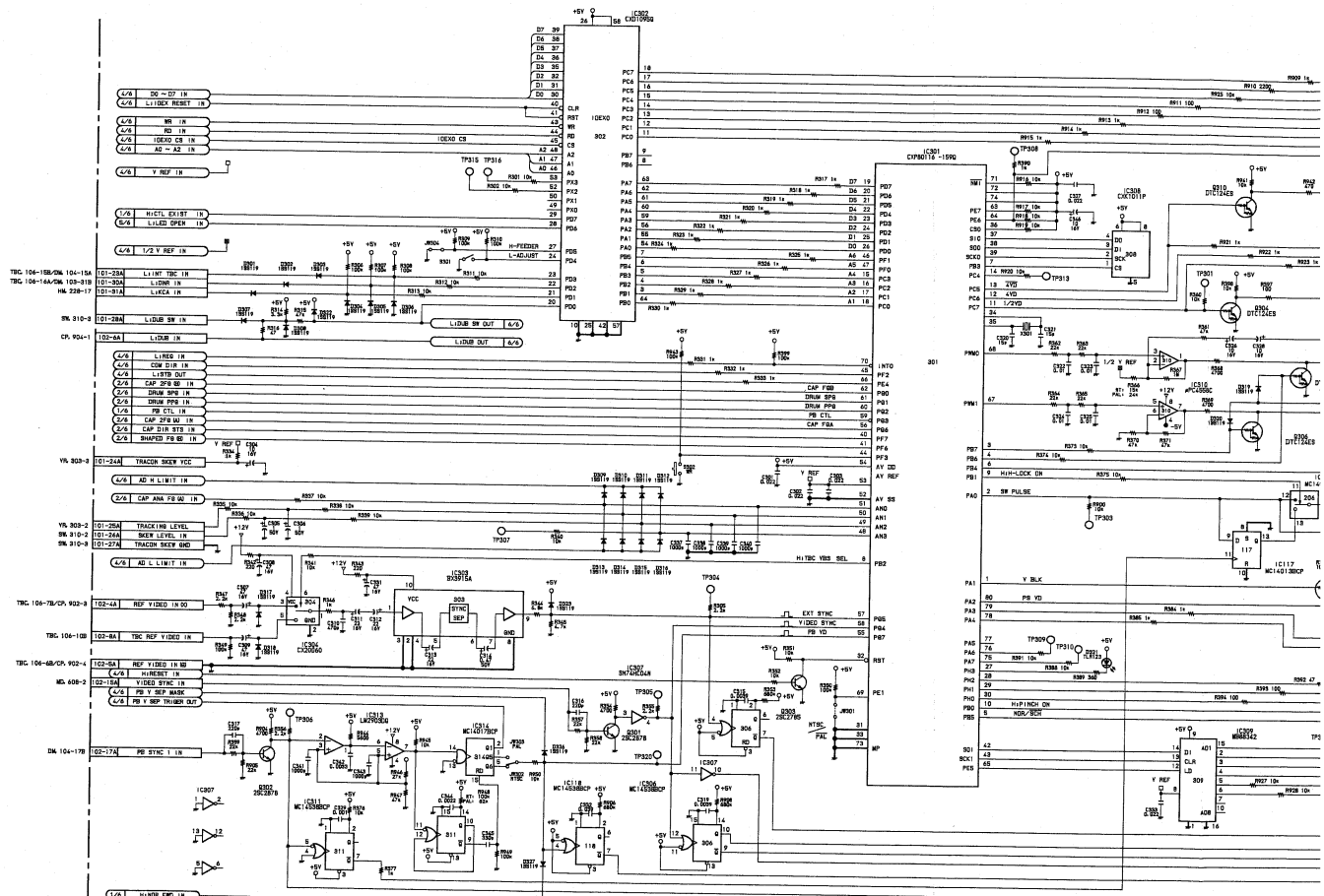


**SV-88/A(3/7)**

1-622-736-12,22(2)  
BVU-950  
BVU-950P

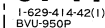
SV-113C(3/6); DRUM/CAPSTAN PWM SERVO  
SYNC SEPARATOR

S/N 13731 AND HIGHER (EK)

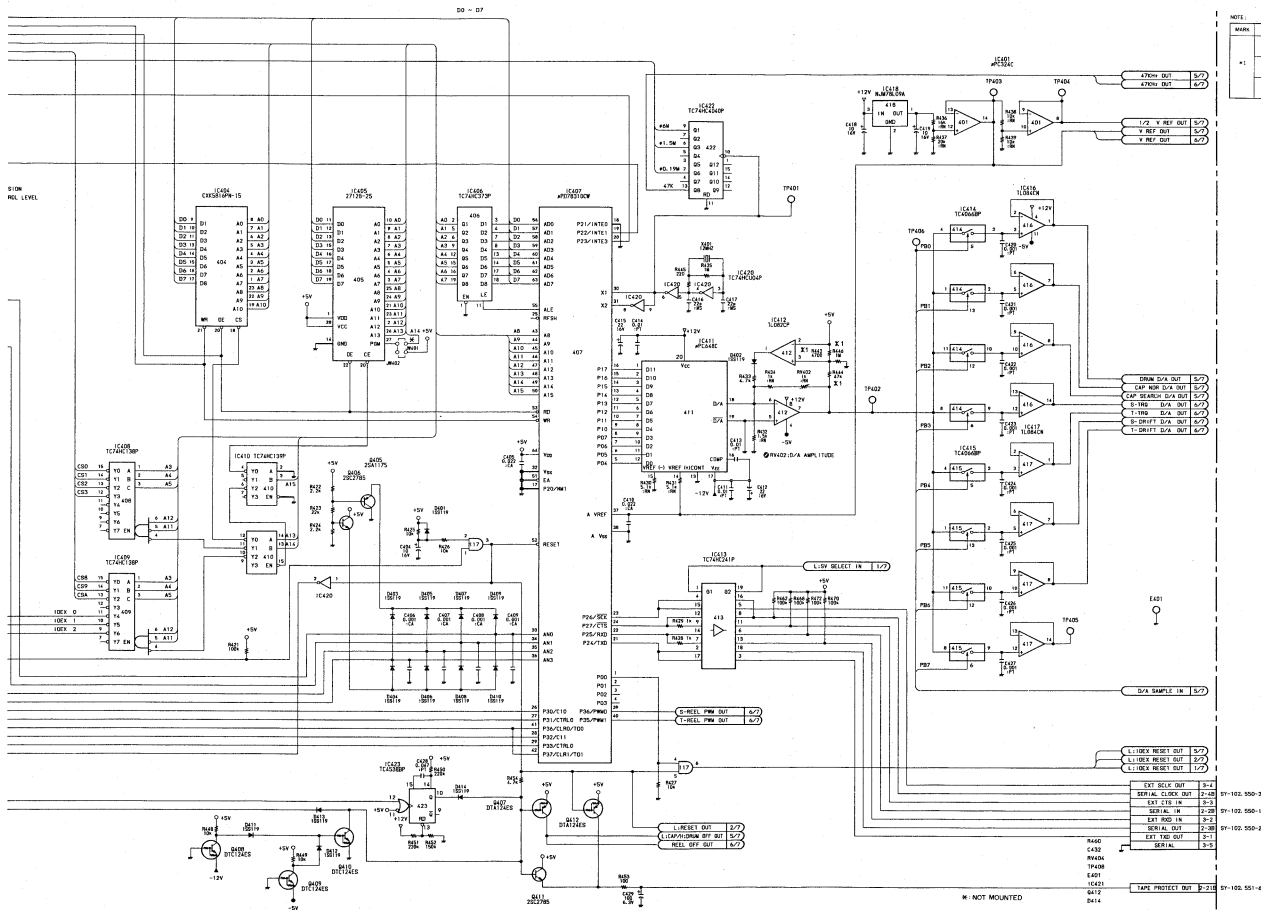


16-104 (c)

16-105 (c)







**NOTE**

MARK	CHANGE INFORMATION	SERIAL NO
#1	RANK CHANGED 10K → 4700	J : 10075 LC : 10085 EK : 10091
	RANK CHANGED 10K → 47K	
	RANK ADDED	

**SV-88/A(4/7)**

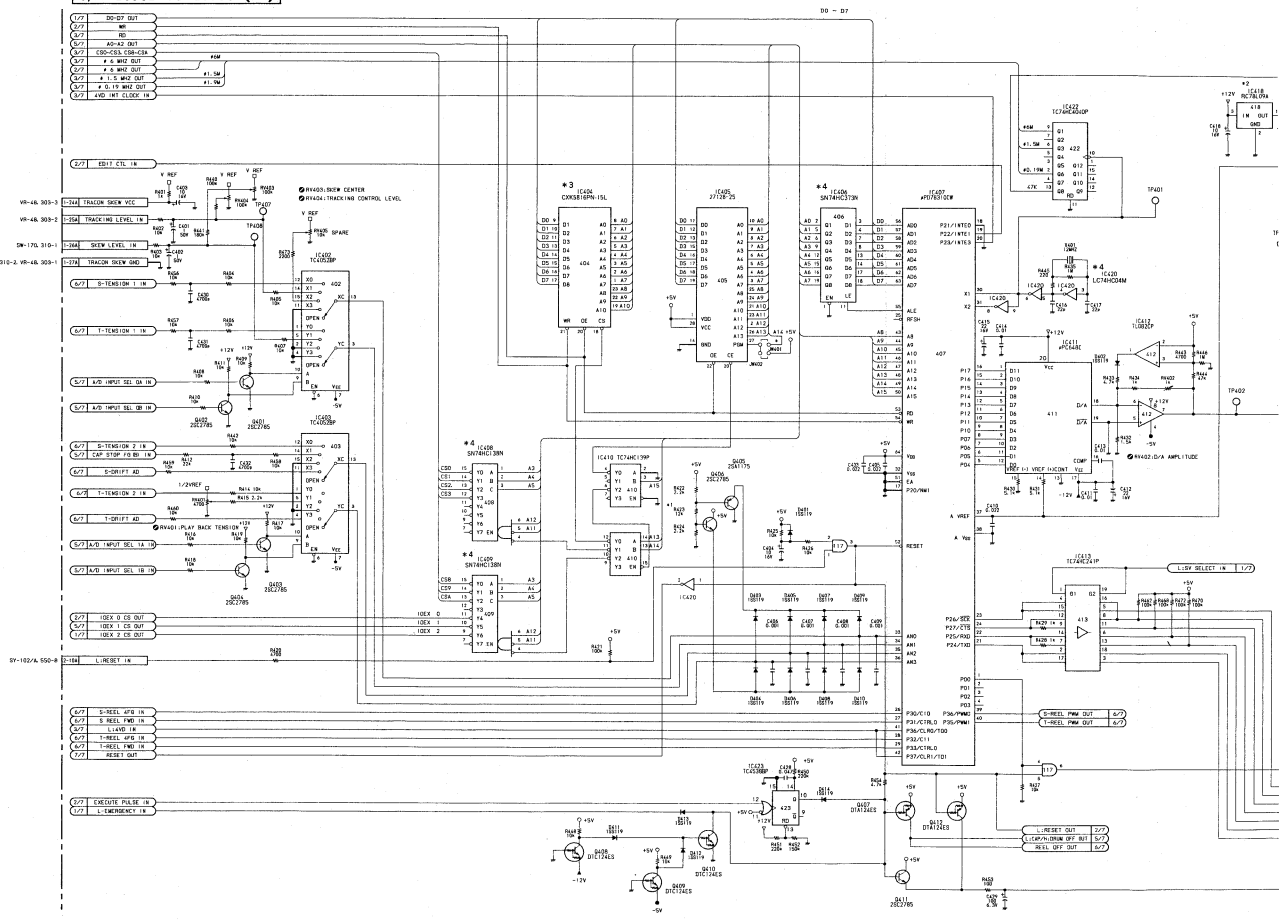
1-622-736-11(3)  
BVU-950  
BVU-950P

SV-88A(4/7): DRUM/CAPSTAN DATA CONTROL

S/N 10981 TO 13730 (EK)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
* 1	R423 CHANGED 22K → 12K IC418 CHANGED NJM7BL09A ↓ IC78L09A	J : 10261; UC : 12591; EK : 11881; J : 11056; UC : 14241; EK : 13681; BR : 10076
* 2	IC406 CHANGED CXK5816PN15 ↓ CXK5816PN15L	J : 11276; UC : 12591; EK : 13731; BR : 10076
* 3	IC406 CHANGED TC74HC373P ↓ SN74HC373N IC406, 409 CHANGED TC74HC158P ↓ SN74HC138N IC420 CHANGED TC74HC04AP ↓ LC74HC04M	J : 11326; UC : 12591; EK : 13731; BR : 10076
* 4		



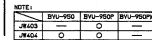
16-110 (b)

16-111 (b)



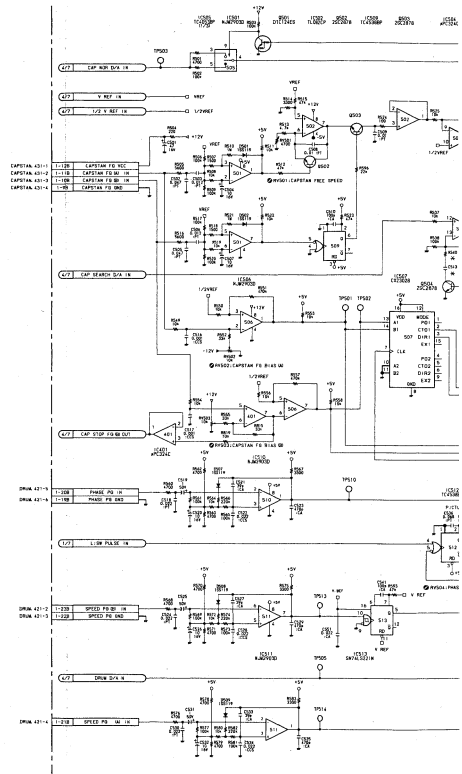


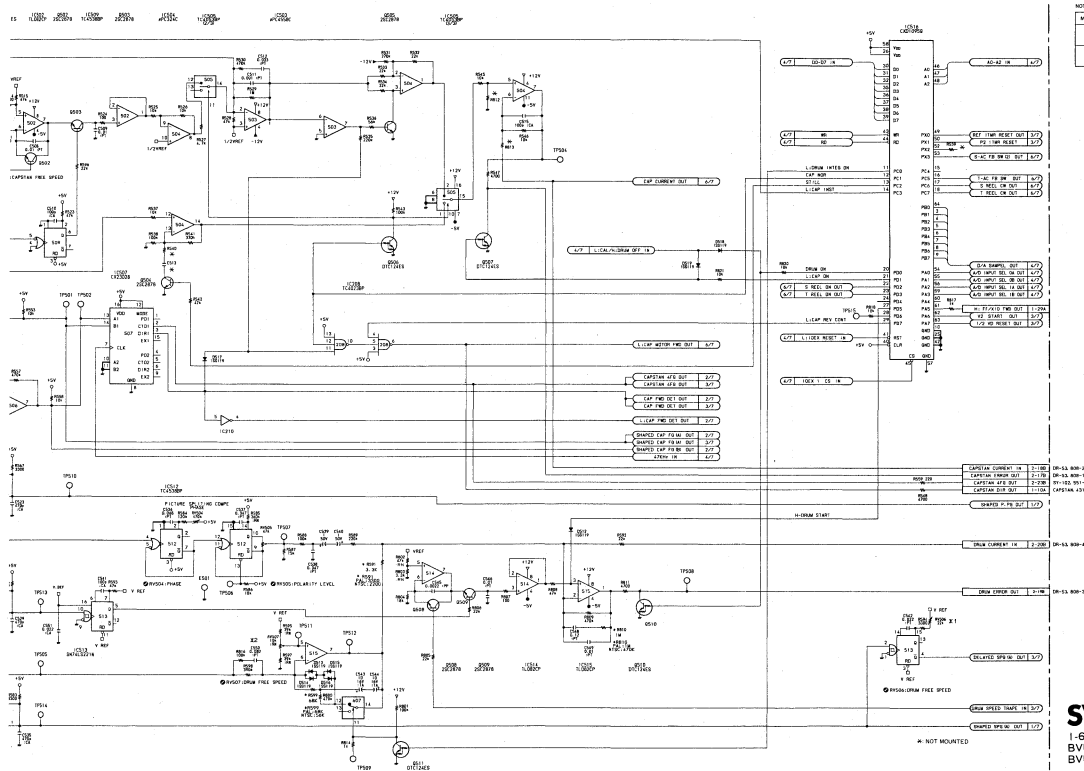




SY. 551-6

1-629-414-42(1)  
BVU-950P





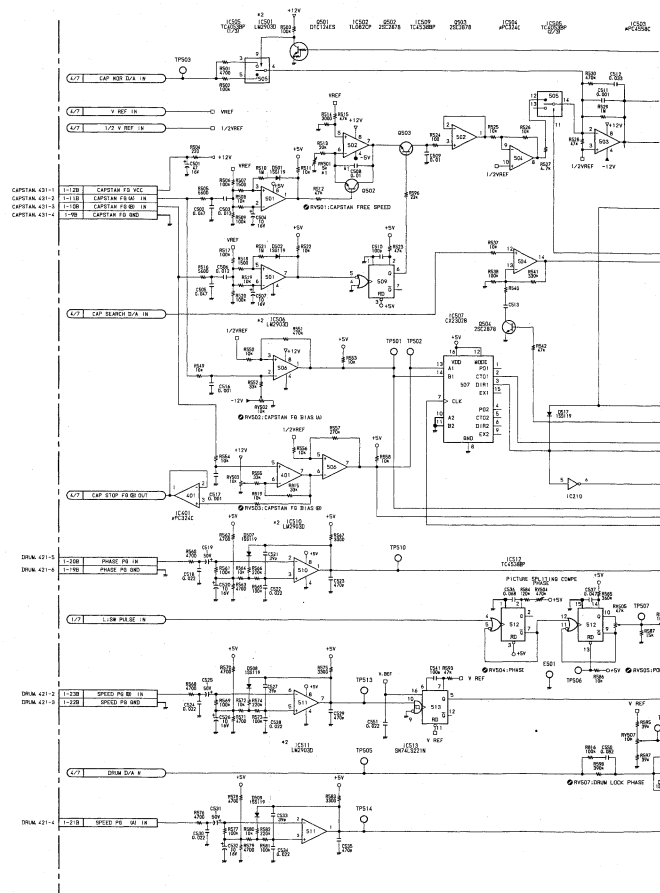
## NOTE:

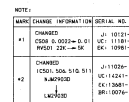
DATE	CHANGE INFORMATION	SERIAL NO.
*1	PIECE CHANGED SW-220	J-1 (REV1)
*2	CHG CHANGED S-502 - S-502	VS-1 (REV1) SA-1 (REV1)

SV-88/A(5/7)

1-622-736-11(3)  
BVU-950  
BVU-950P

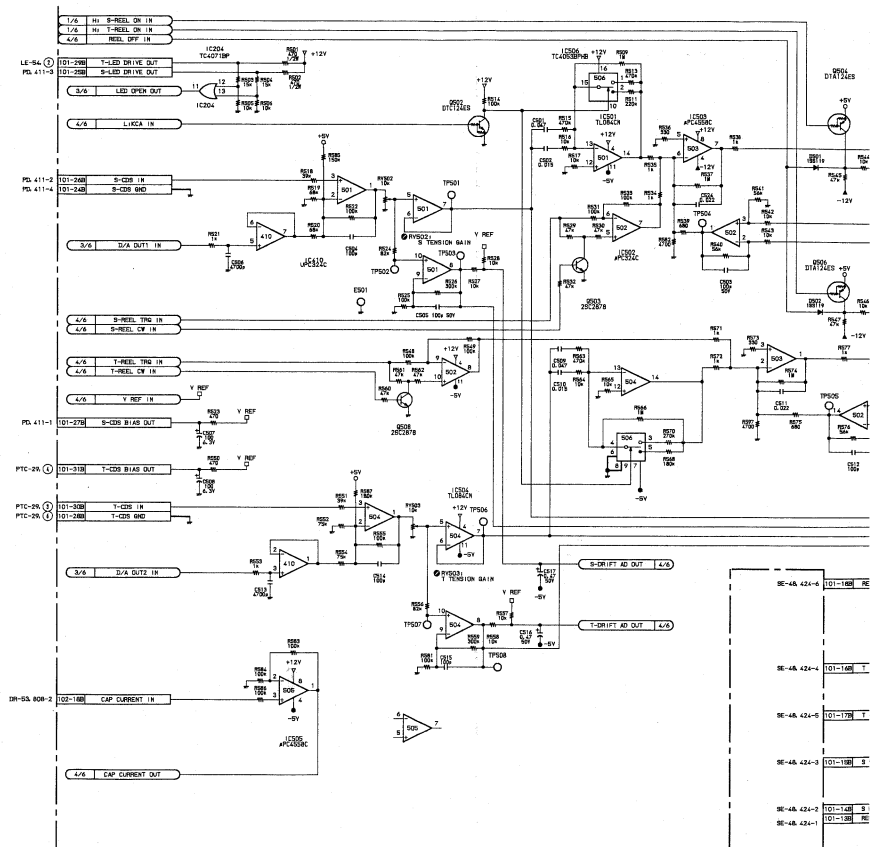
SV-88A(5/7): DRUM/CAPSTAN PWM SERVO S/N 10981 TO 13730 (EK)





1-622-736-12, 22(3)  
BVU-950  
BVU-950P

SV-113C(5/6); REEL SERVO S/N 13731 AND HIGHER (EK)

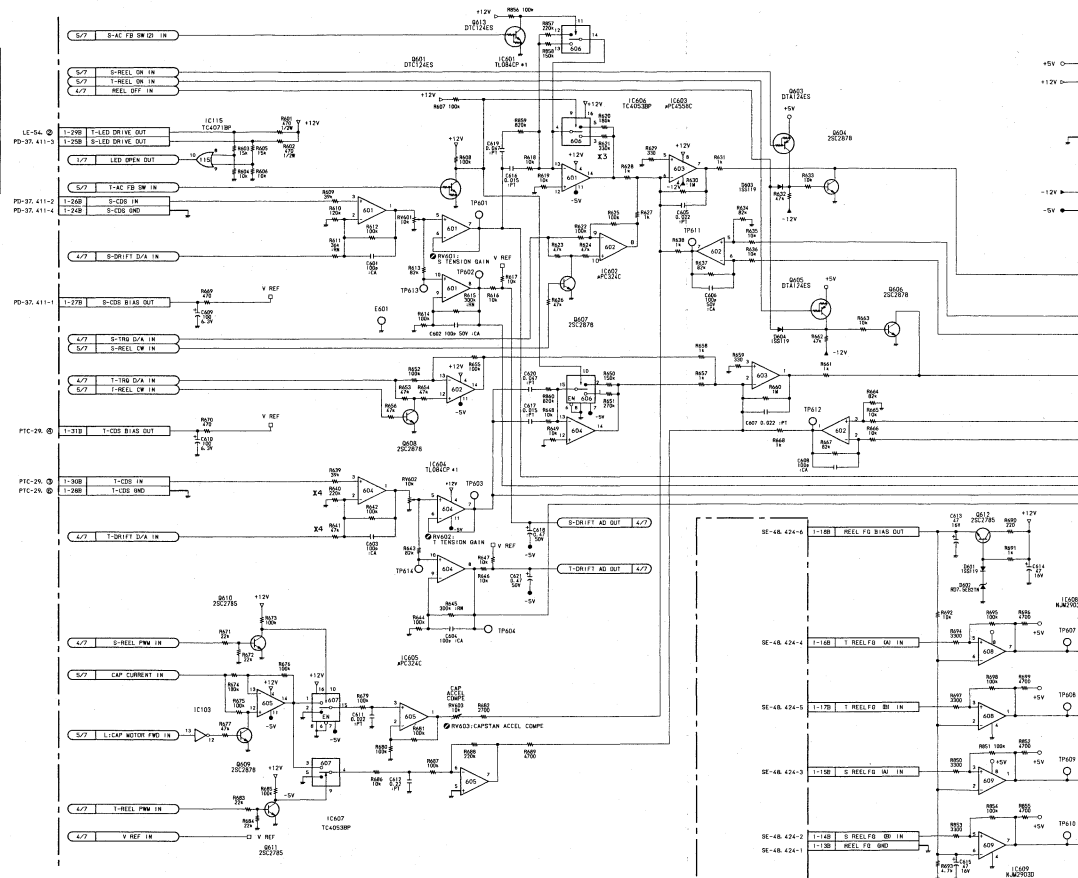






SV-88A(6/7); REEL SERVO S/N UP TO 10980(EK)

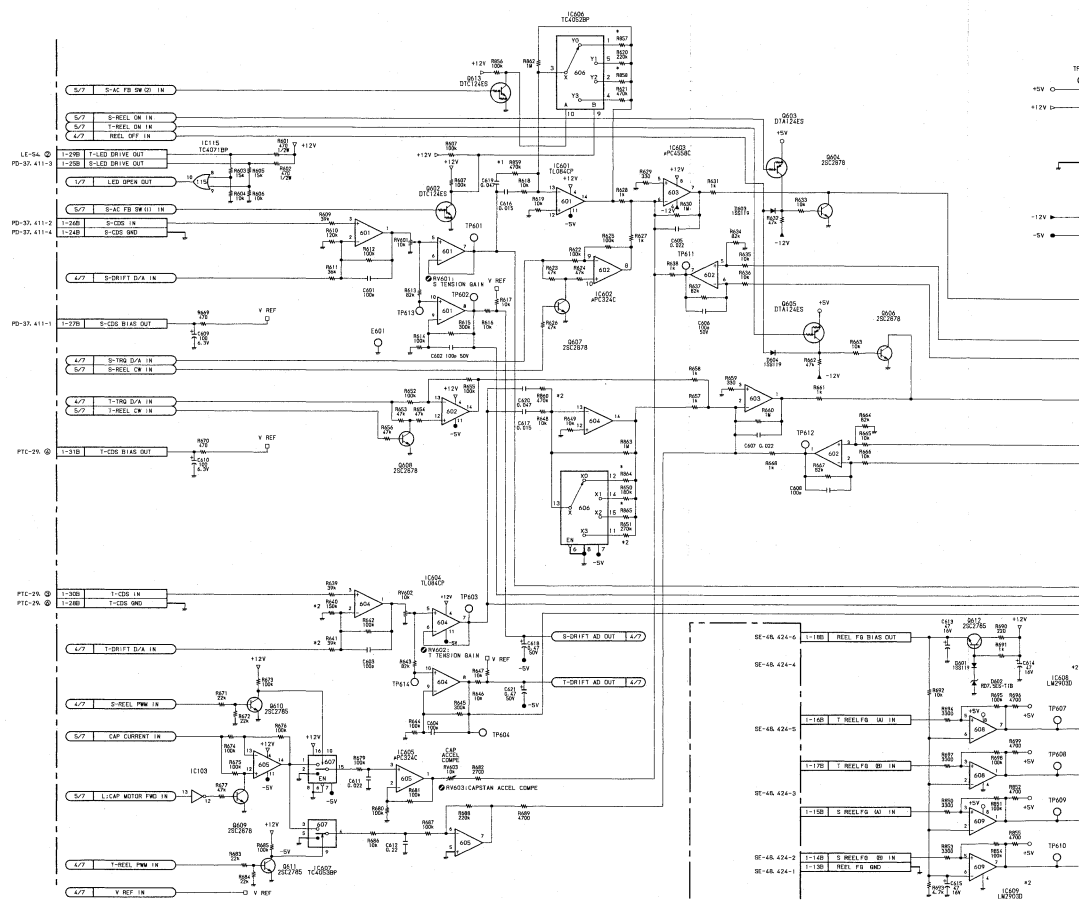
MARK	CHANGE INFORMATION	SERIAL NO.
#1	IS61, 804 CHANGED UPC32C → TLB3CP	
#2	Q323 → 334 DELETED	
#3	RS21 CHANGED 1N → 330N	J : 10001- UC : 10001- EK : 10001-
#4	RS40 CHANGED 4704 → 2204	
	RM1 CHANGED 5A → 47N	
#5	RT40 → 240 CHANGED E BA - 1.5A	J : 10001- UC : 10001- EK : 10001-

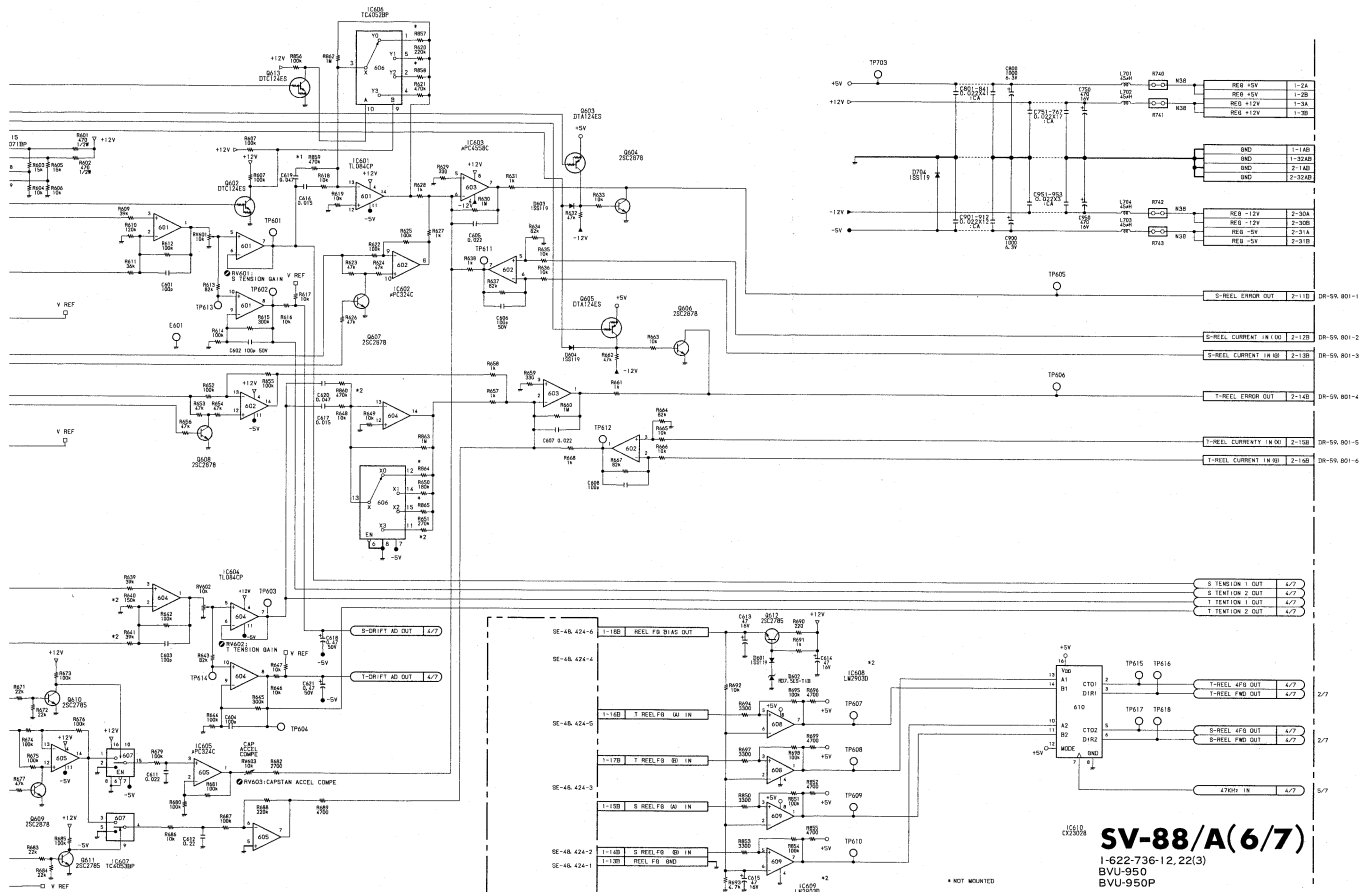




**S/N 10981 TO 13730 (EK)**

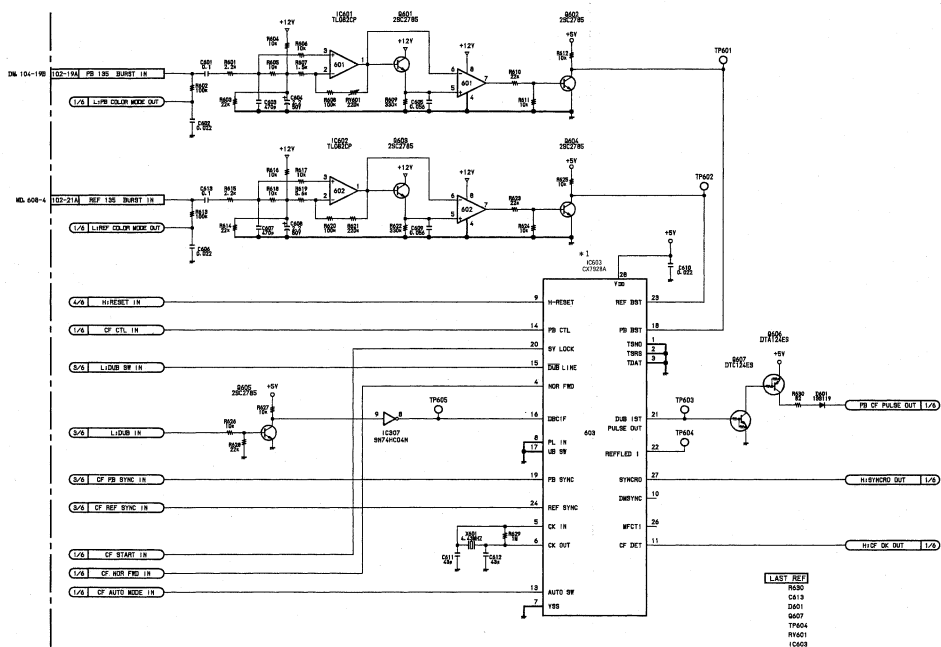
NOTE:			
MATK	CHANGE	INFORMATION	SERIAL NO.
#1	R859 820K → 470K	CHANGED	J: 10261 - UC12591 - EK:11881 -
#2	CHANGED R440 220K → 150K R461 47K → 39K R451 390K → 270K R840 820K → 470K 1C608 609 NM29030 LM29030		J:11026 - UC11424 - EK:13681 - BR:10076 -

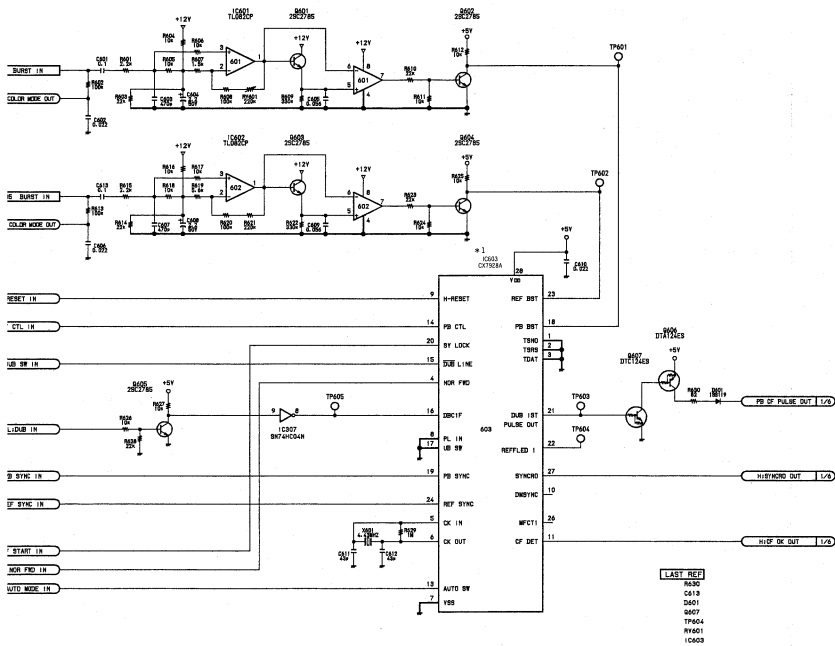




**NOTE:**

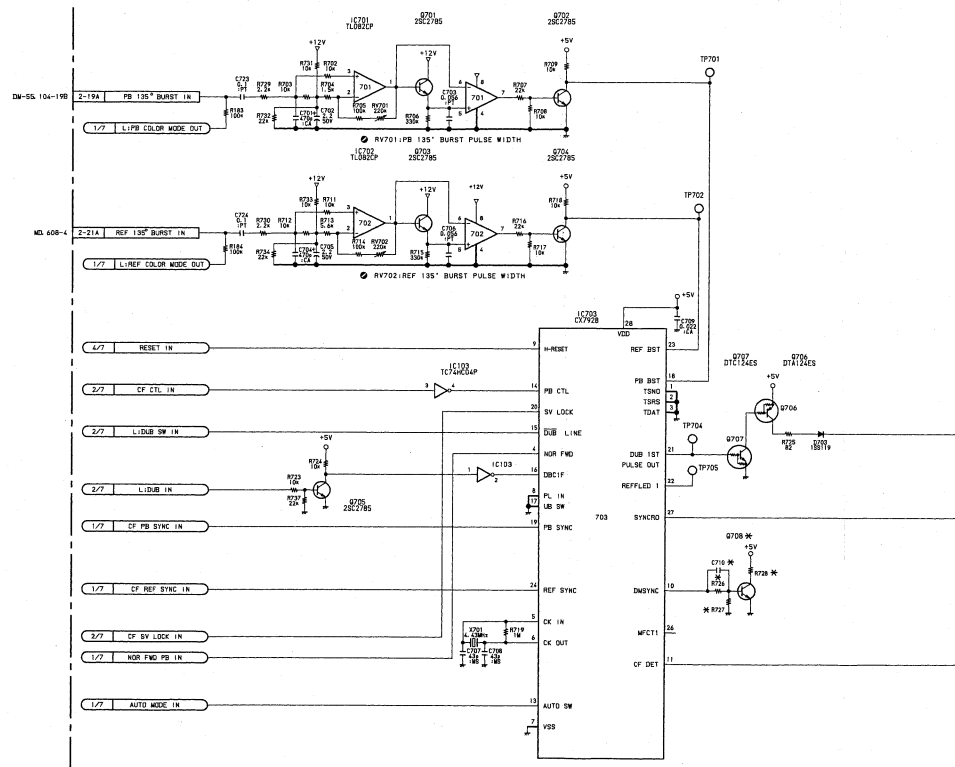
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	G-3	IC603 CHANGED CX7928 → CX7928A	EK; 14646

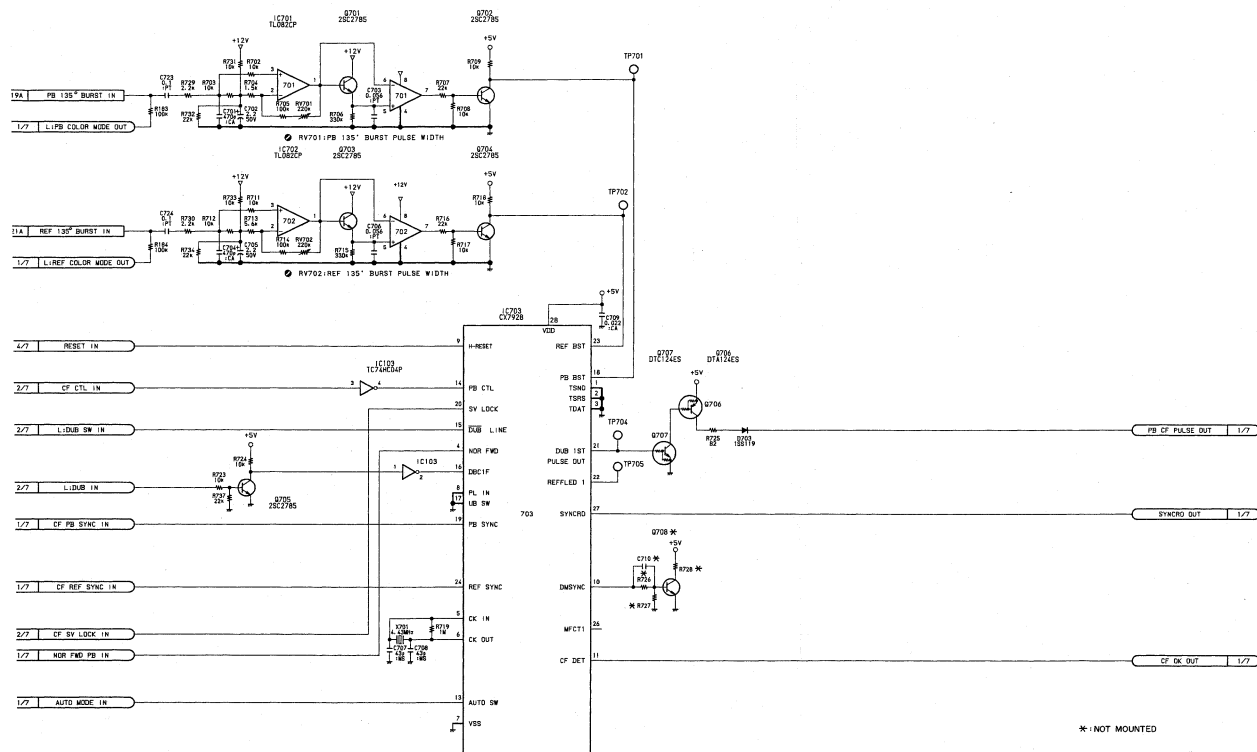




**SV-113C(6/6)**  
 I-629-414-42(2)  
 BVU-950P

SV-88A(7/7); REC/PB 135° BURST PULSE SHAPE S/N UP TO 10980(EK)





\* : NOT MOUNTED

**SV-88A(7/7)**  
 1-622-736-1(1)  
 BVU-550P

16-132(a)

E

F

G

H

I

J

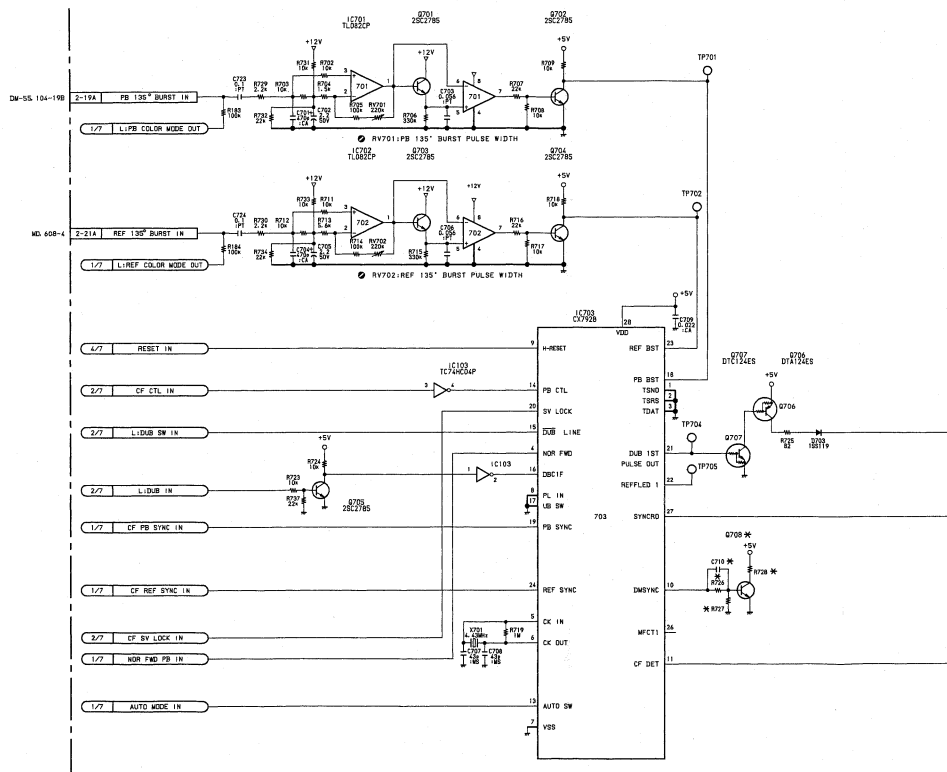
K

L



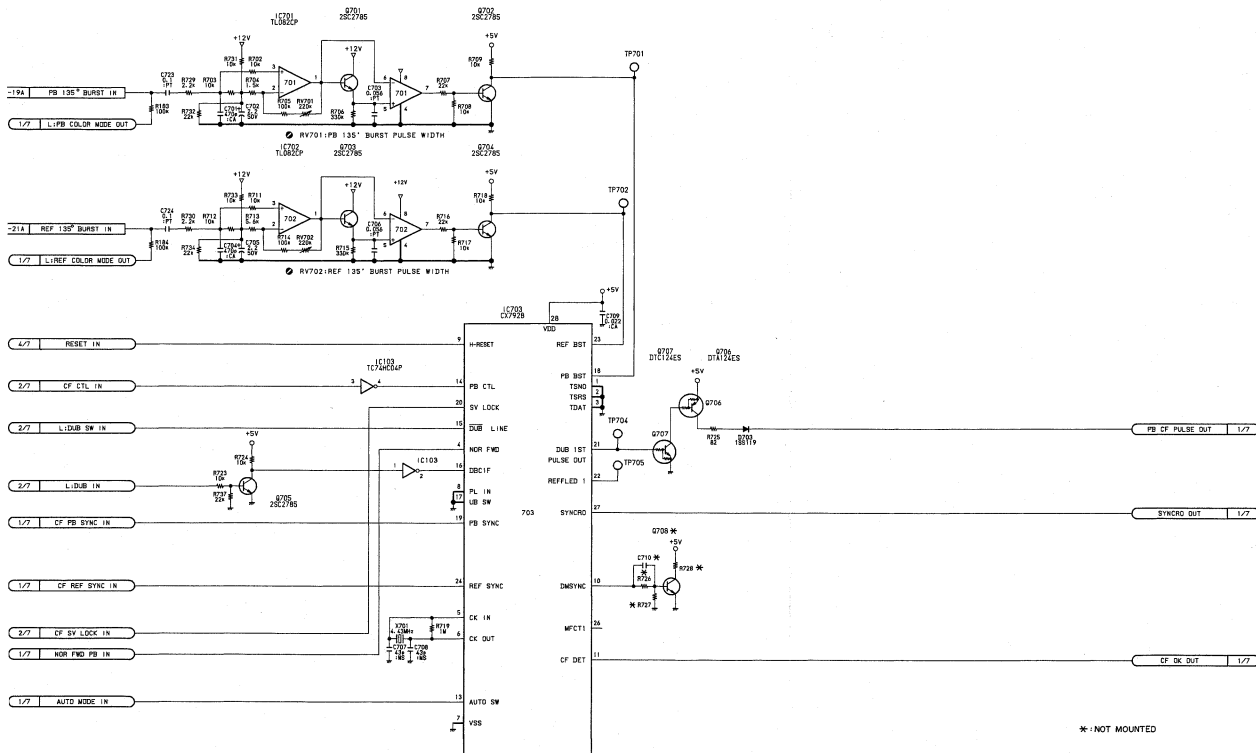
SV-88A(7/7): REC/PB 135° BURST PULSE SHAPE

S/N 10981 TO 13730 (EK)



16-130(b)

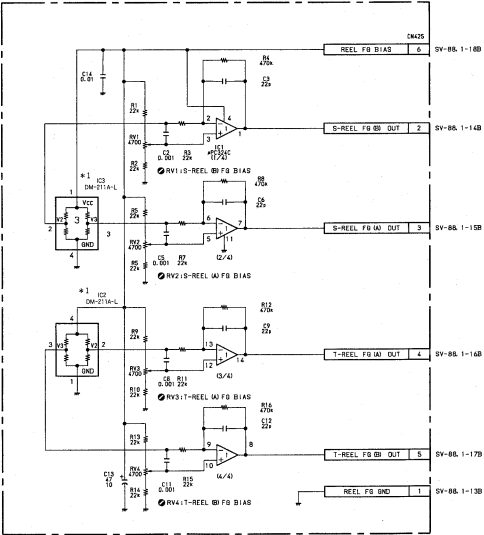
16-131(b)



\*: NOT MOUNTED

**SV-88A(7/7)**  
 I-622-736-22(1)  
 BVU-950P

SE-48; REEL ROTATION DETECTOR



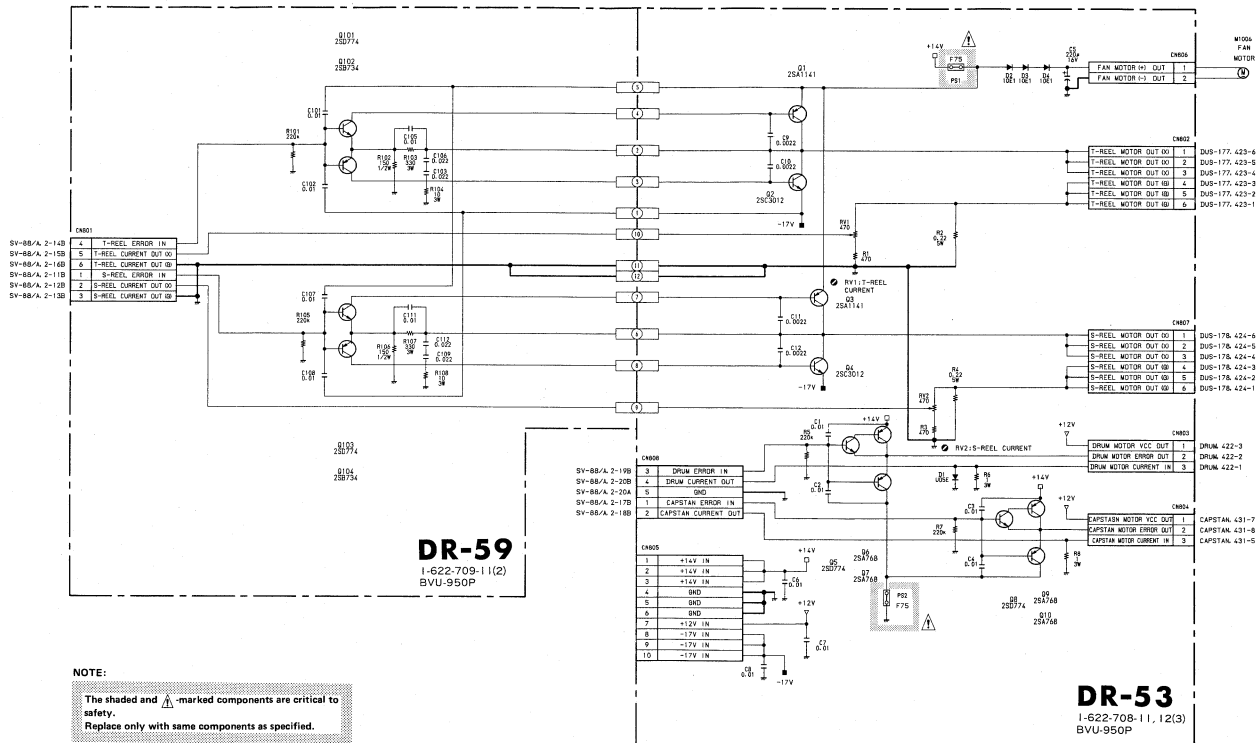
**SE-48**

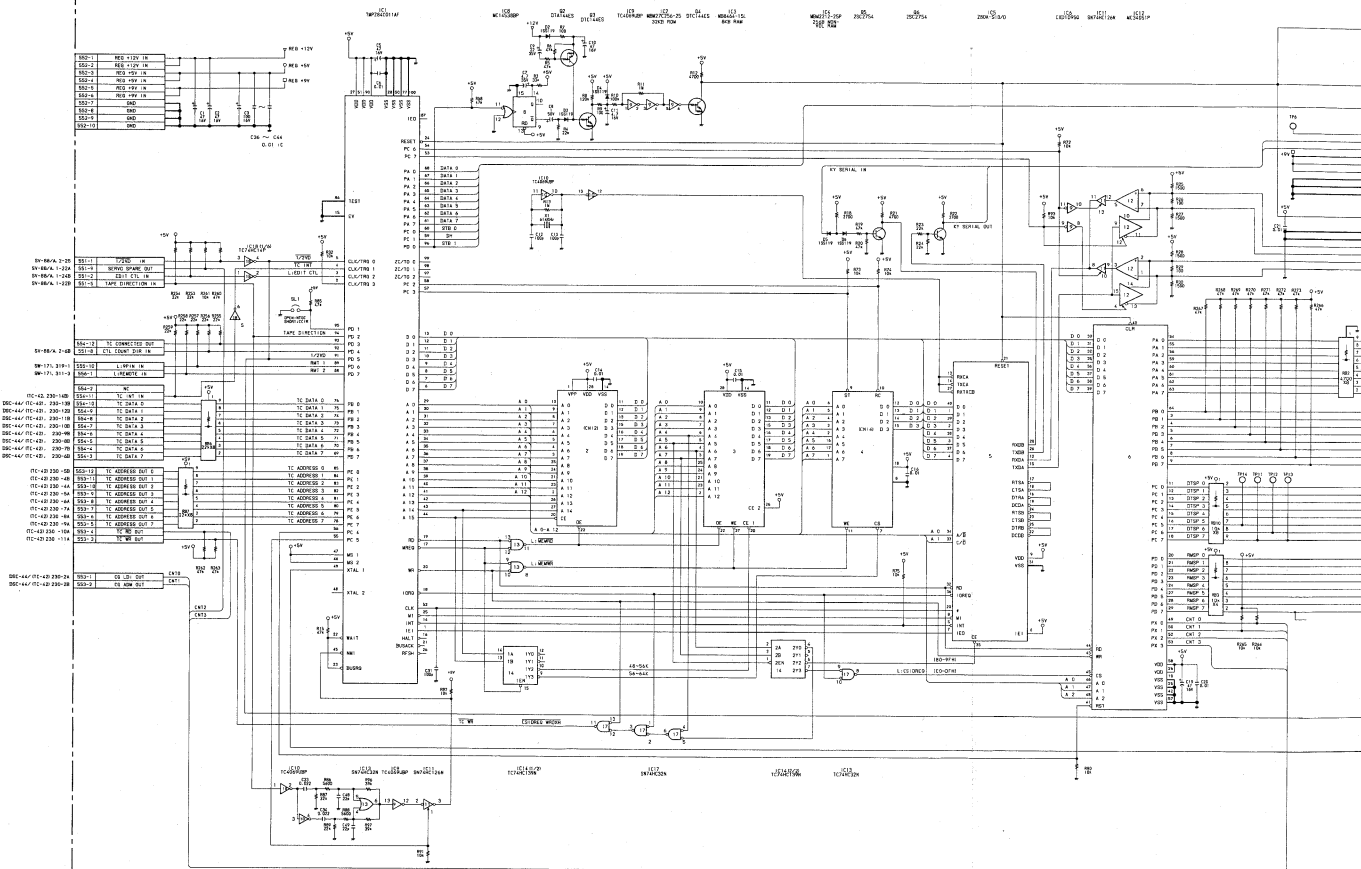
1-622-735-11(2)  
BVU-950  
BVU-950P

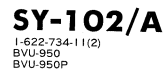
NOTE:

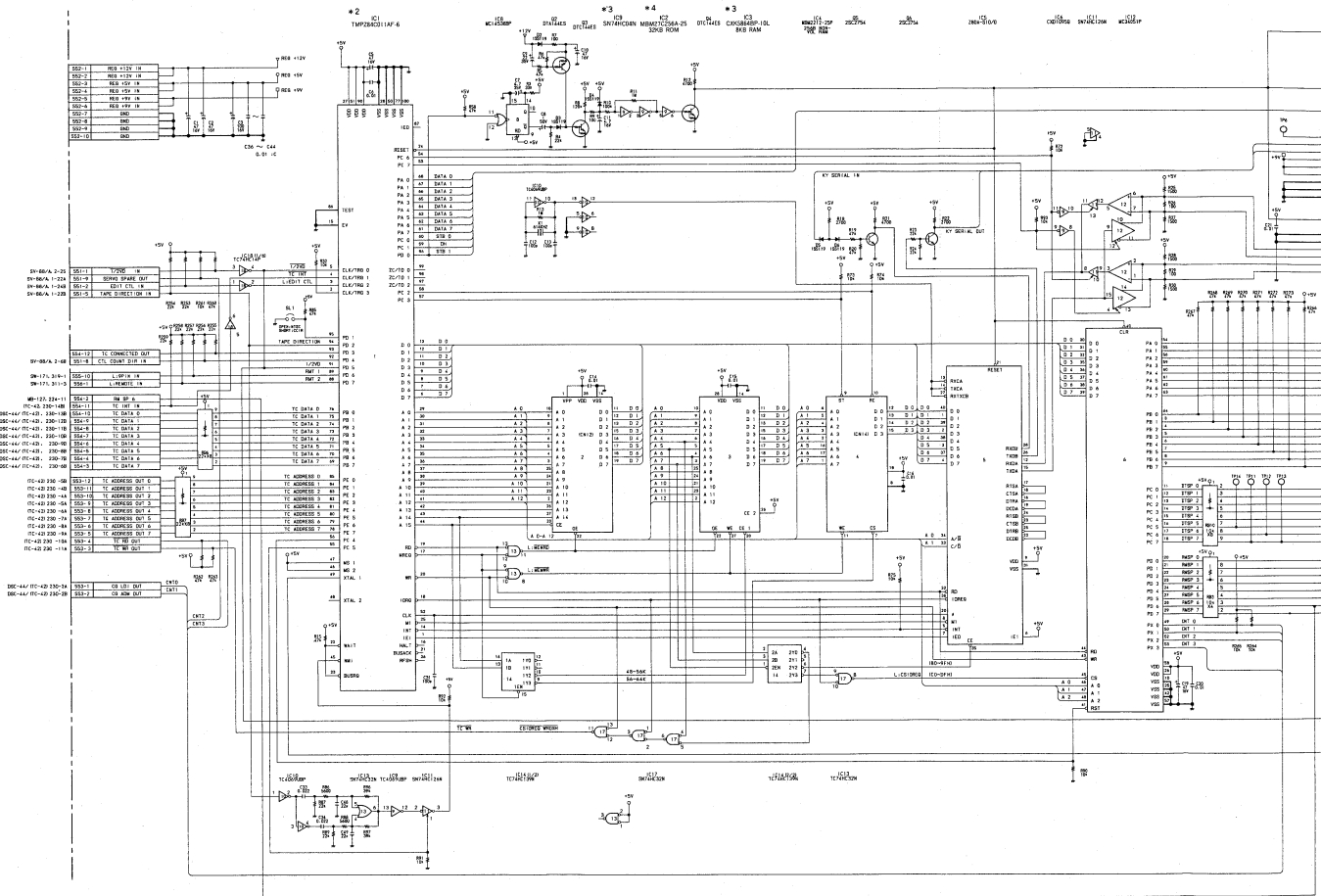
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	B-3	IC2, 3 CHANGED DM211 → DM211A-L	J : 11736 UC: 17116 EK: 14421 BR: 10131

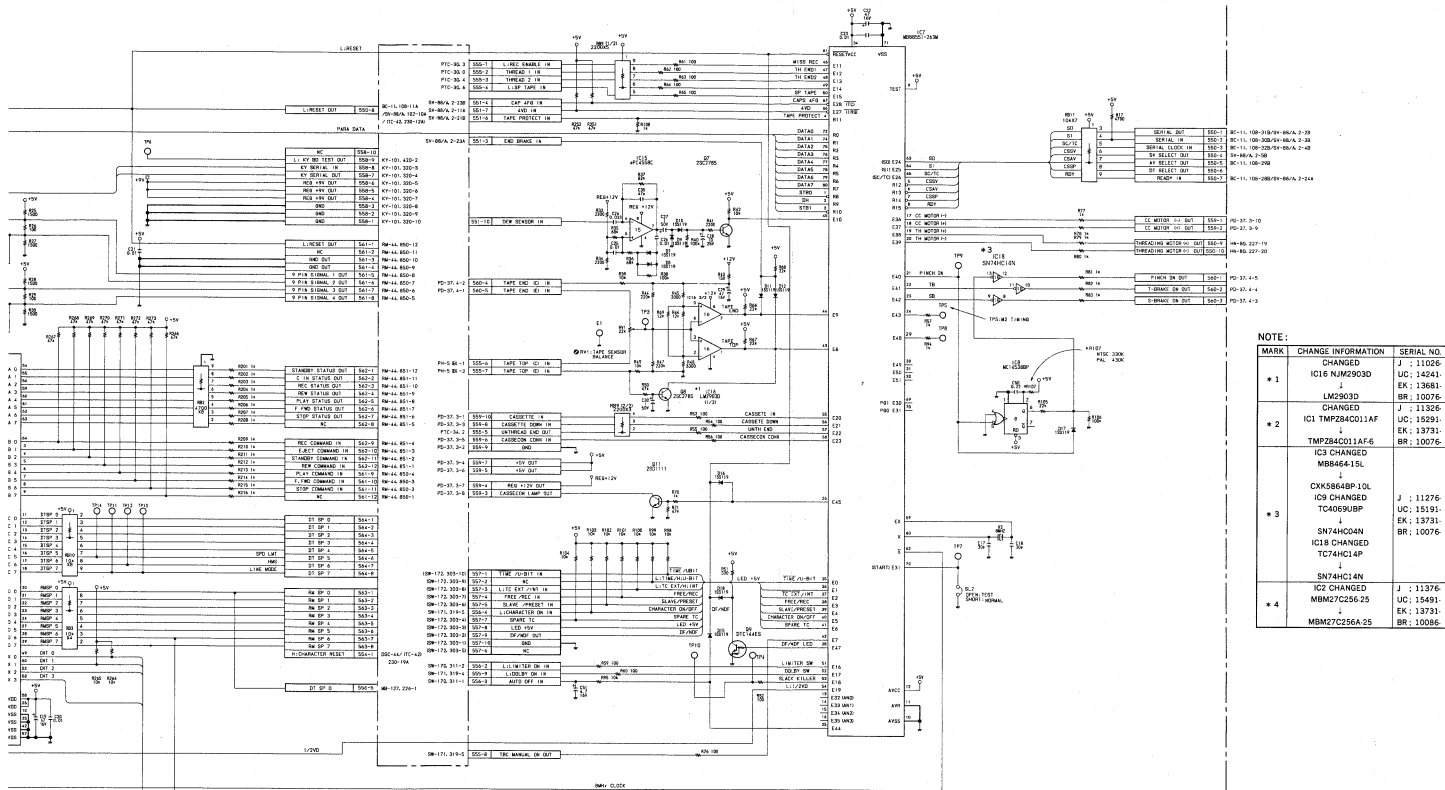
DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE  
DR-59; REEL MOTOR DRIVE











## NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
* 1	CHANGED IC16 NJM2930D LM2930D	J : 11026 UC : 14241 EK : 13681 BR : 10076
* 2	CHANGED IC1 TMP284C011AF TMP284C011AF-6	J : 11326 UC : 15591 EK : 13731 BR : 10076
* 3	IC3 CHANGED MS8641SL CXK5864BP-10L IC9 CHANGED TC4069BP IC7 CHANGED SN74HC00 IC18 CHANGED TCT4HC14P SN74HC14N	J : 11276 UC : 15191 EK : 13731 BR : 10076
* 4	IC2 CHANGED MBM27C256-25 MBM27C256A-25	J : 11376 UC : 15491 EK : 13731 BR : 10086

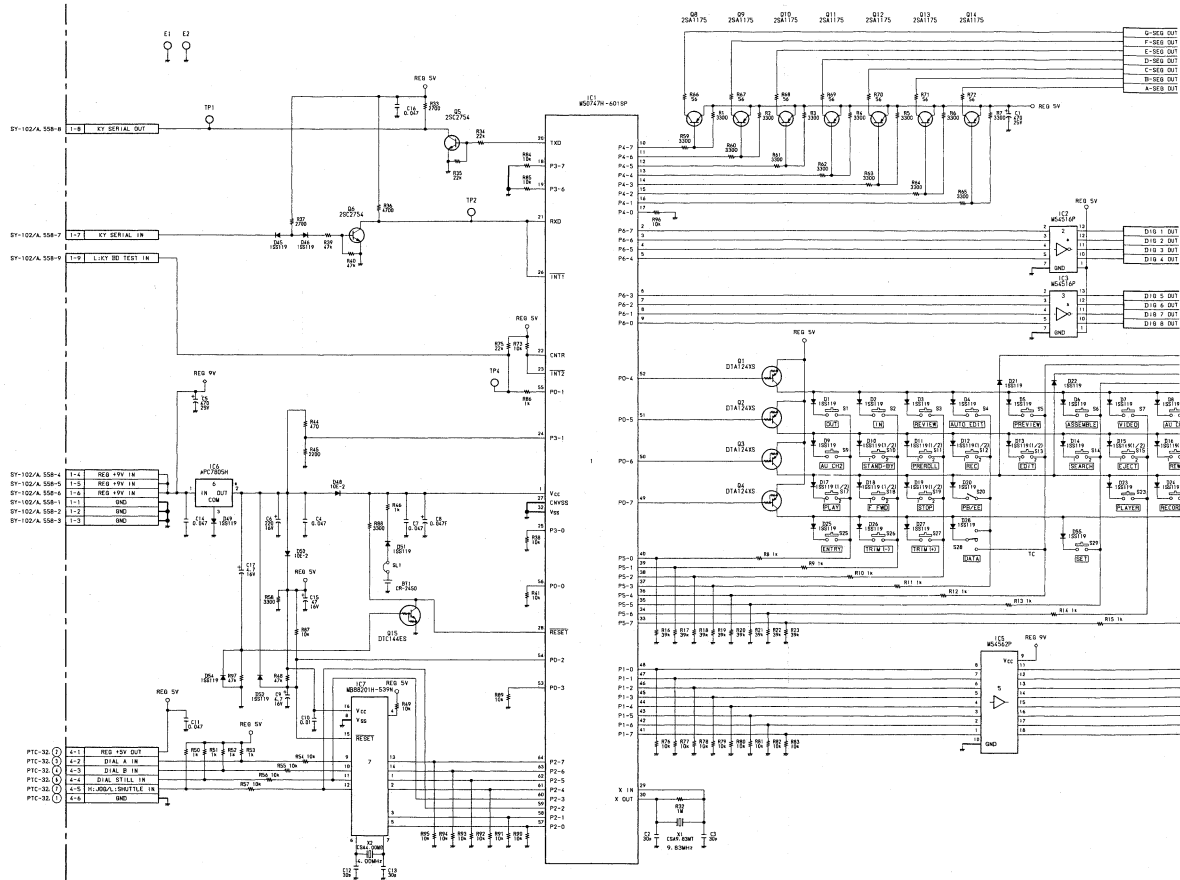
SY-102/A

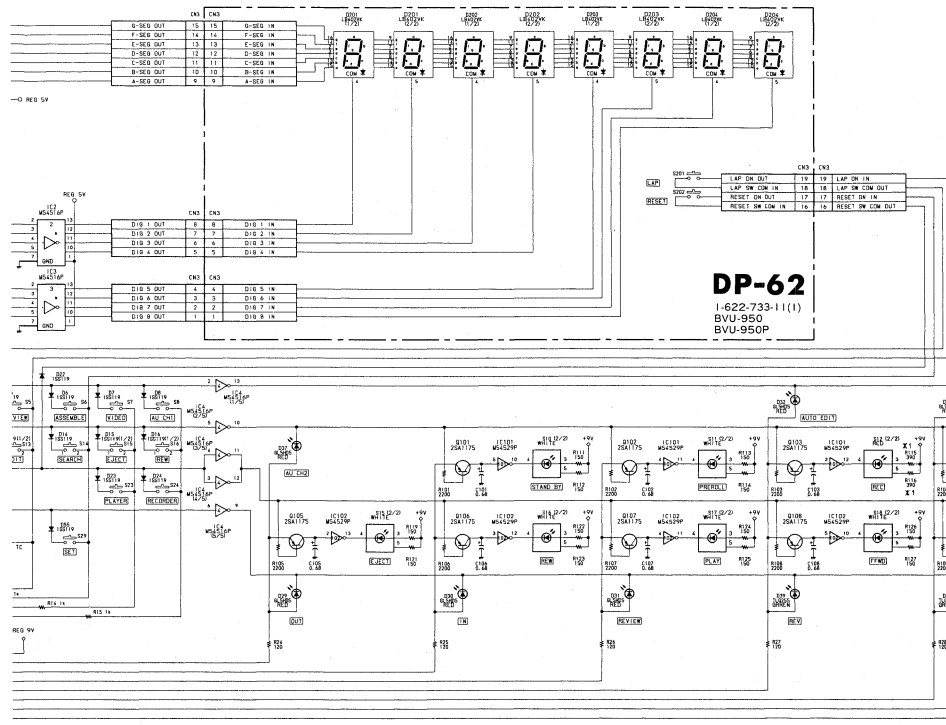
I-622-734-12,13,14(4)  
BVU-950  
BVU-950P



Y-101: FUNCTION KEY BOARD  
DP-62: DISPLAY

S/N UP TO 12080 (EK)

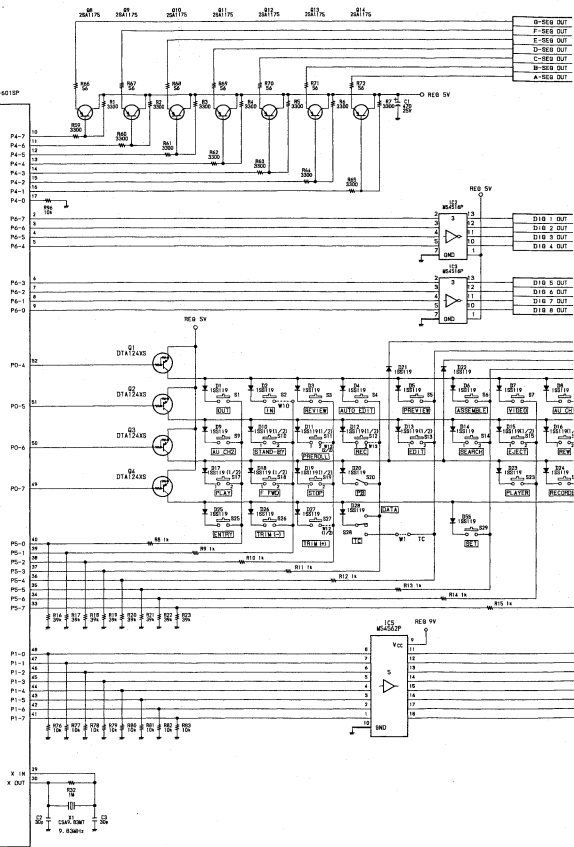




MARK	CHANGE INFORMATION	SERIAL NO.
1	REV. 128 CHANGED 10-1-90	1-1001- 10-11001- 10-11001-

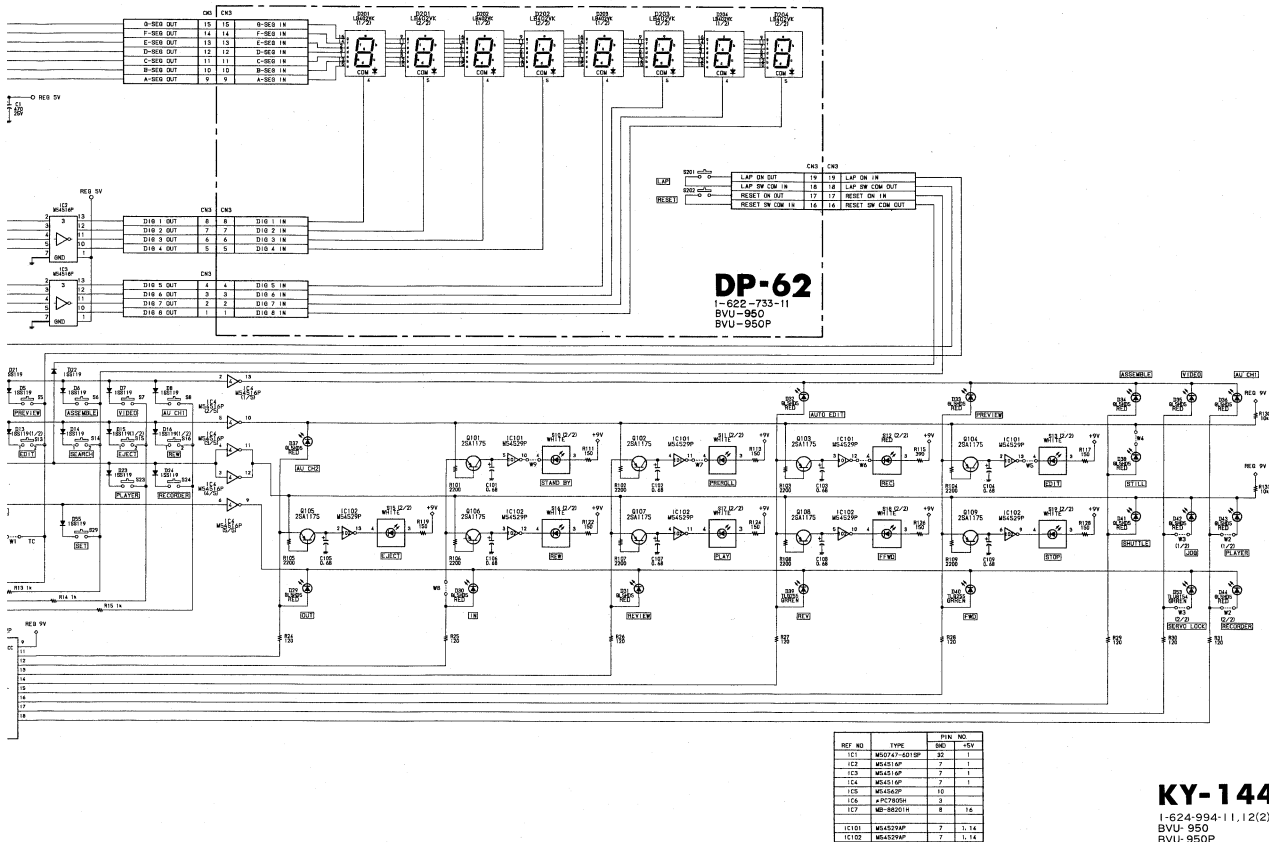
**KY-101**  
1-622-732-1, 1, 1 (2)  
BVU-950  
BVU-950P

**S/N 12081 AND HIGHER(EK)**



16-152 (b)

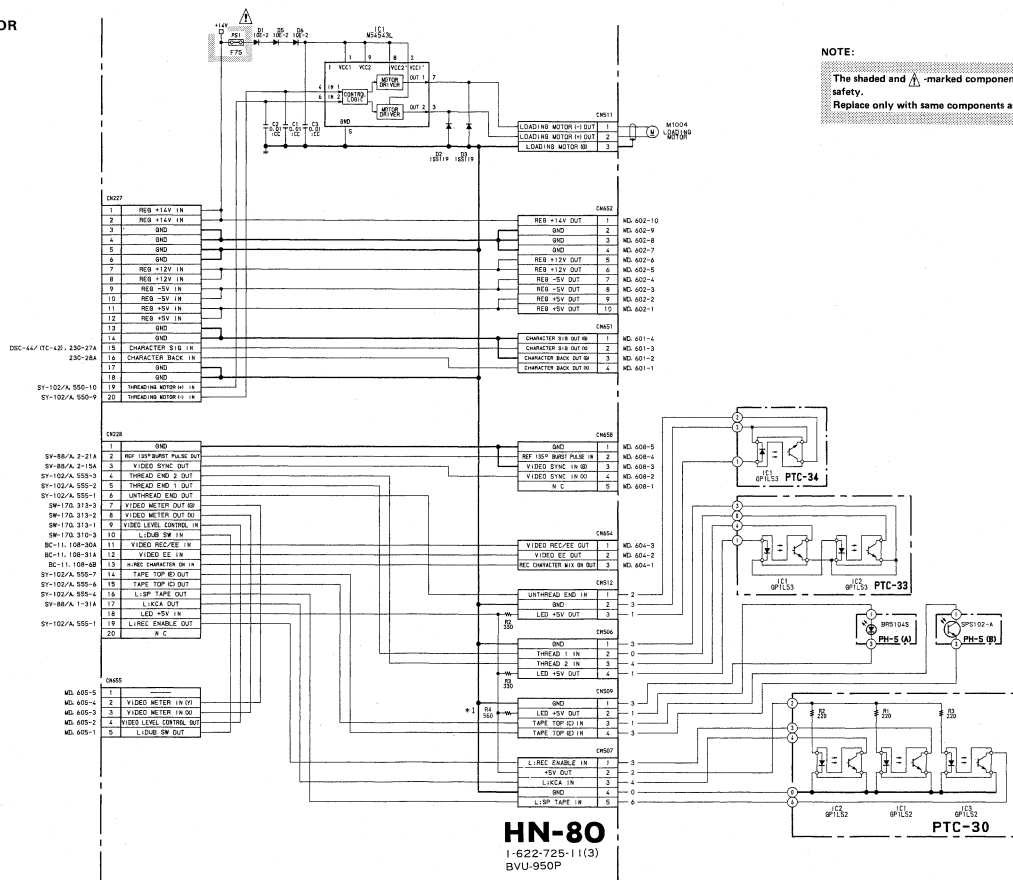
1



HN-80: THREADING MOTOR DRIVER  
 PH-5(A): TAPE TOP LED  
 PH-5(B): TAPE TOP SENSOR  
 PTC-30: SP, MISS REC, KCA DETECTOR  
 PTC-33: FR STOP DETECTOR  
 PTC-34: UNTHREAD END DETECTOR

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
* 1	CHANGED R4 330 → 360	EK; 13731



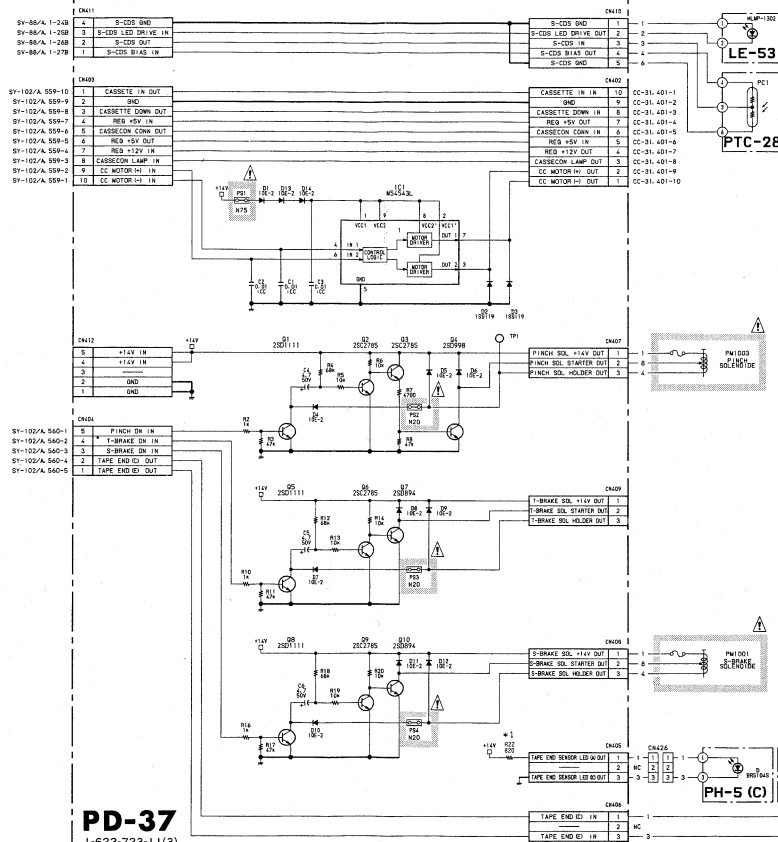
NOTE:

The shaded and  $\Delta$ -marked components are critical to safety.  
 Replace only with same components as specified.

LE-53; : S-TENSION LED  
 PD-37; : CASSETTE-UP COMPARTMENT MOTOR DRIVER/SOLENOID DRIVER  
 PH-5(C); : TAPE END LED  
 PTC-26; : TAPE END SENSOR  
 PTC-28; : S-TENSION CDS

## NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
# 1	CHANGED R22 1200 → 820	EK; 13731

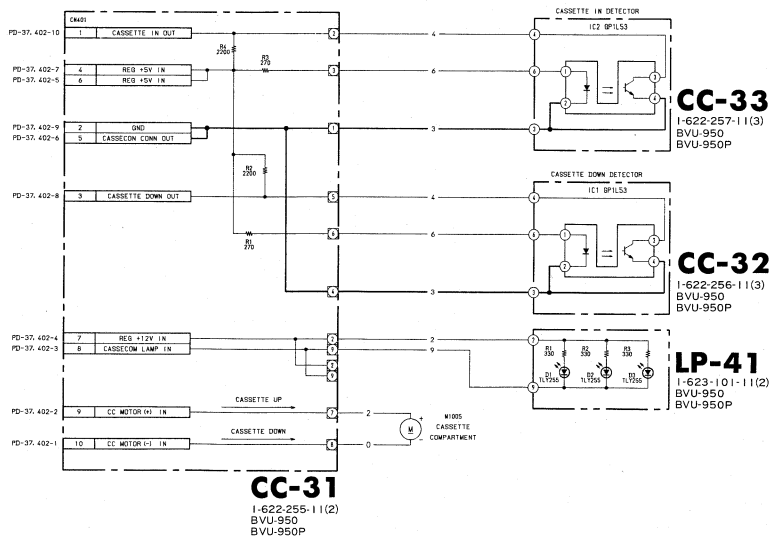


## NOTE:

The shaded and marked components are critical to safety.  
 Replace only with same components as specified.

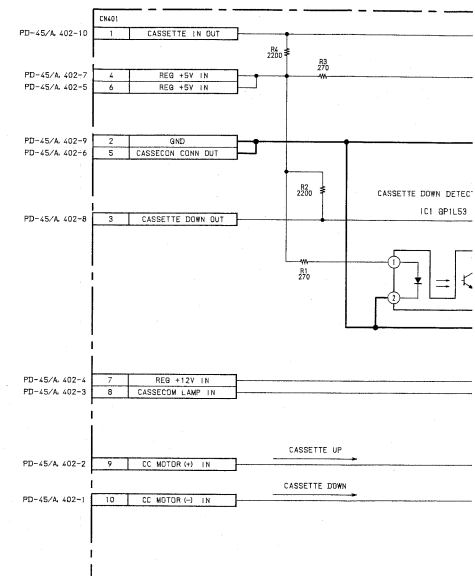
CC-31; CASSETTE COMPARTMENT DRIVE  
CC-32; CASSETTE DOWN DETECTOR  
CC-33; CASSETTE IN DETECTOR  
LP-41; CASSETTE COMPARTMENT LIGHT

S/N UP TO 13680 (EK)



CC-36; CASSETTE DOWN DETECTOR  
CC-37; CASSETTE IN DETECTOR  
LP-41; CASSETTE COMPARTMENT LIGHT

S/N 13681 AND HIGH



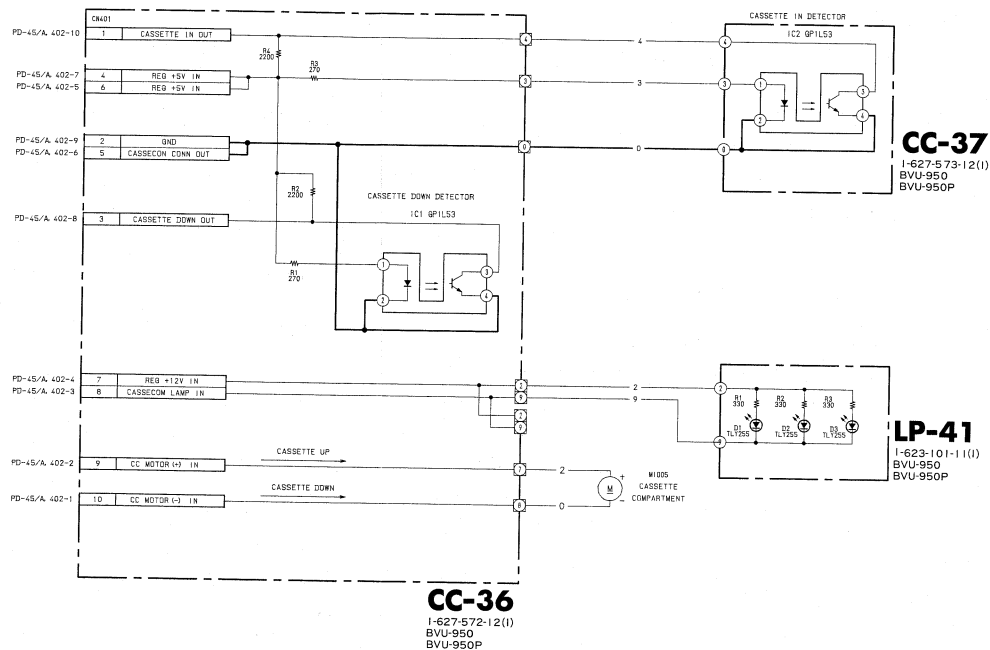
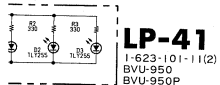
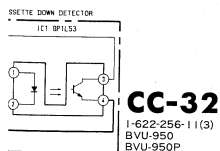
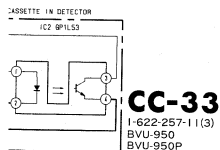
**CC**  
I-627  
BVU-6  
BVU-6

CC-31, CC-32, CC-33, CC-36, CC-37, LP-41

CC-31, CC-32, CC-33, CC-36, CC-37, LP-41

CC-36; CASSETTE DOWN DETECTOR  
CC-37; CASSETTE IN DETECTOR  
LP-41; CASSETTE COMPARTMENT LIGHT

S/N 13681 AND HIGHER (EK)

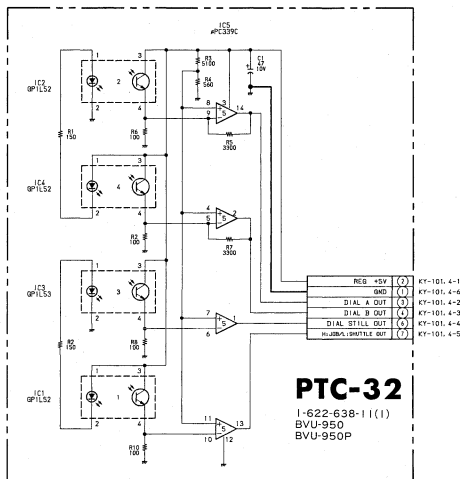


16-166 (a)

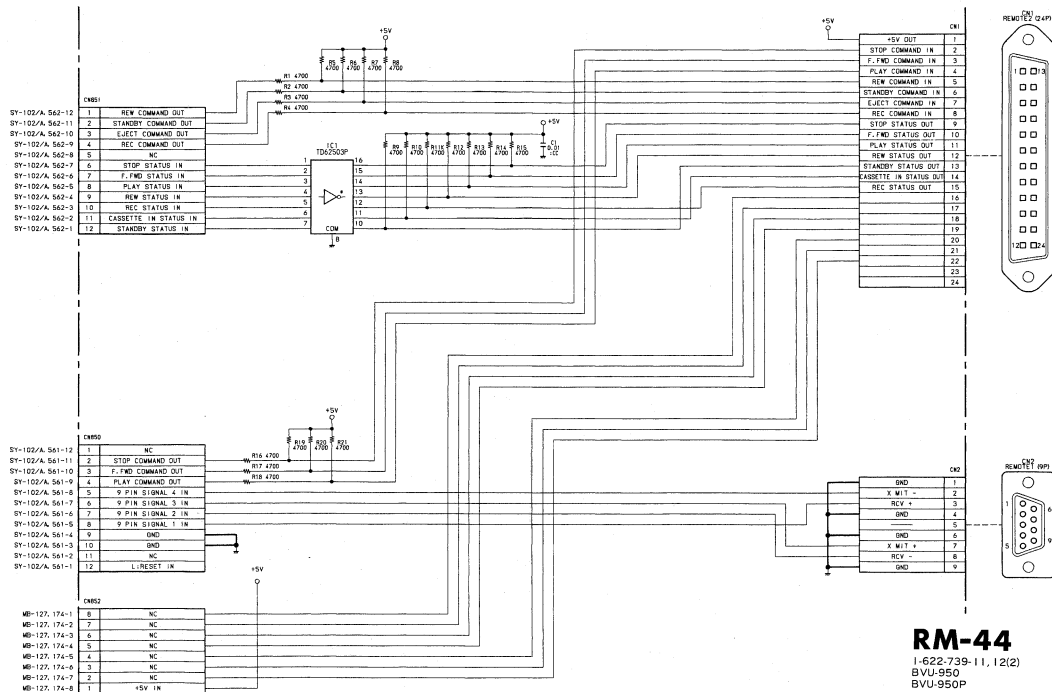
16-166 (b)



## PTC-32: SEARCH DIAL



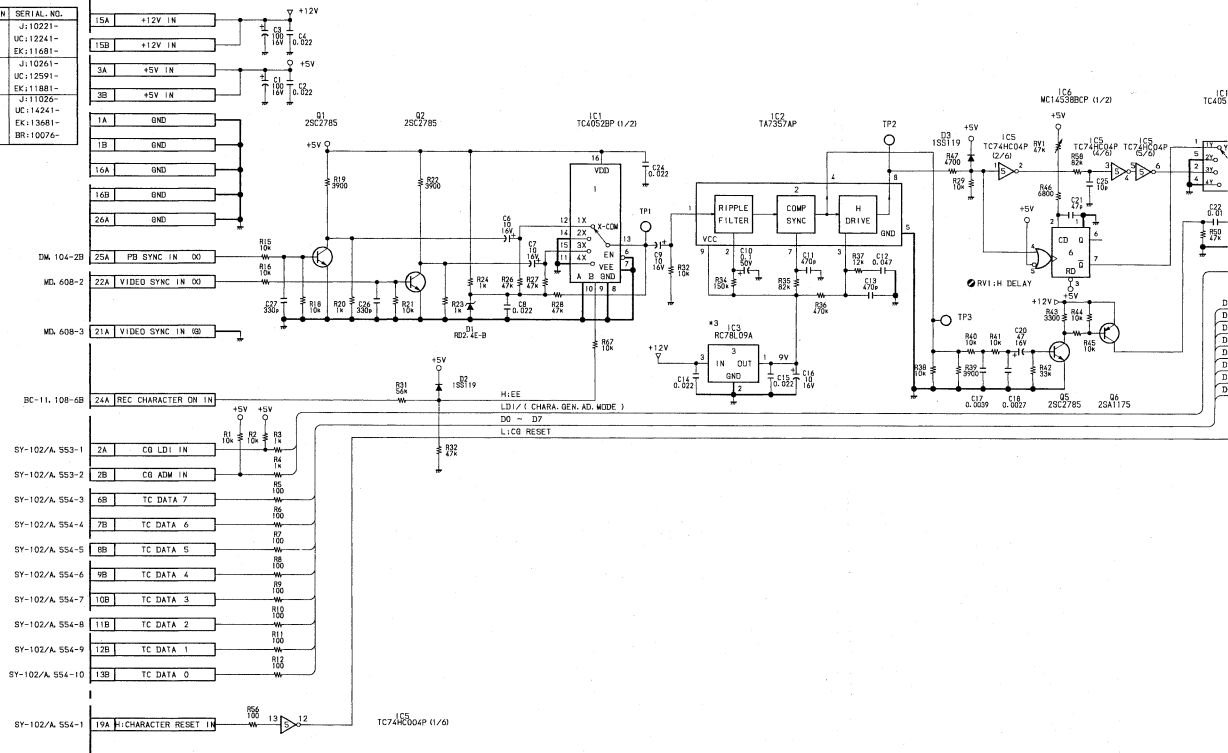
RM-44: REMOTE CONTROL

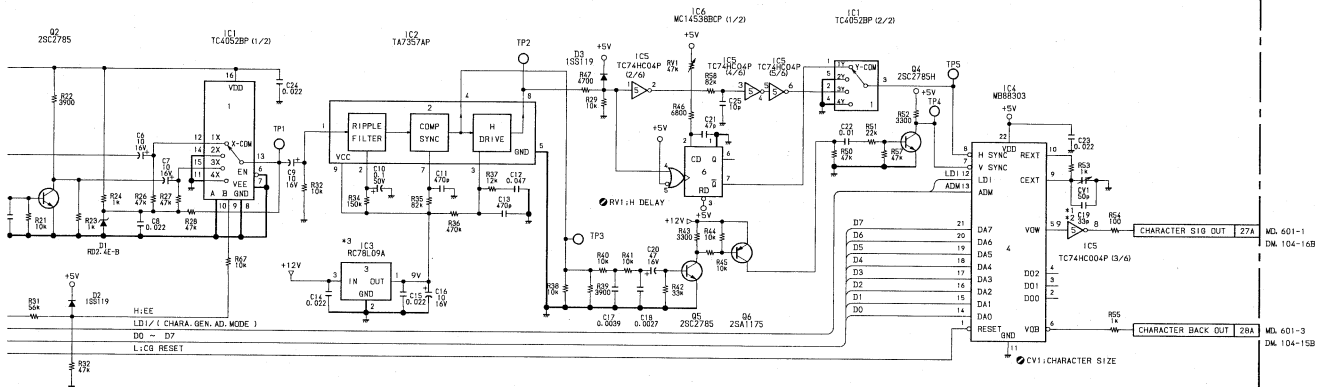


## DSC-44: CHARACTER GENERATOR

## NOTE 1

WARC	CHANGE INFORMATION	SERIAL NO.
*1	CHANGED C19 47pF → 39pF	J110221- UC12241- EK111681- J110261- UC12591- EK111881- J111029-
*2	CHANGED C19 39pF → 33pF	UC12241- EK111681- J111029-
*3	CHANGED IC3 RC78L09A	UC114241- EK13681- BR110076-





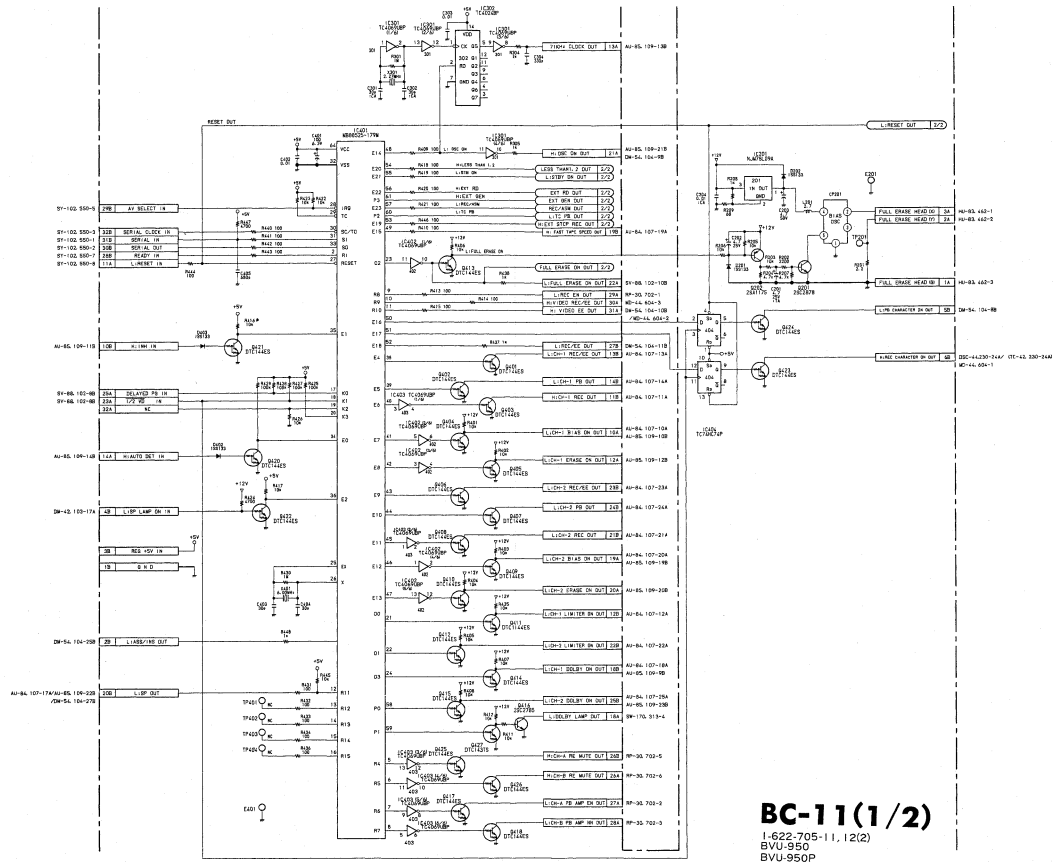
# DSC-44

1-622-710-1 1, 12, 13(5)  
BVU-950  
BVU-950P

BC-11(1/2): VIDEO/AUDIO TIMING CONTROL  
FULL ERASE OSCILLATOR

S/N UP TO 10980(EK)

BC-11(1/2) BC-11(1/2)



A

B

C

D

E

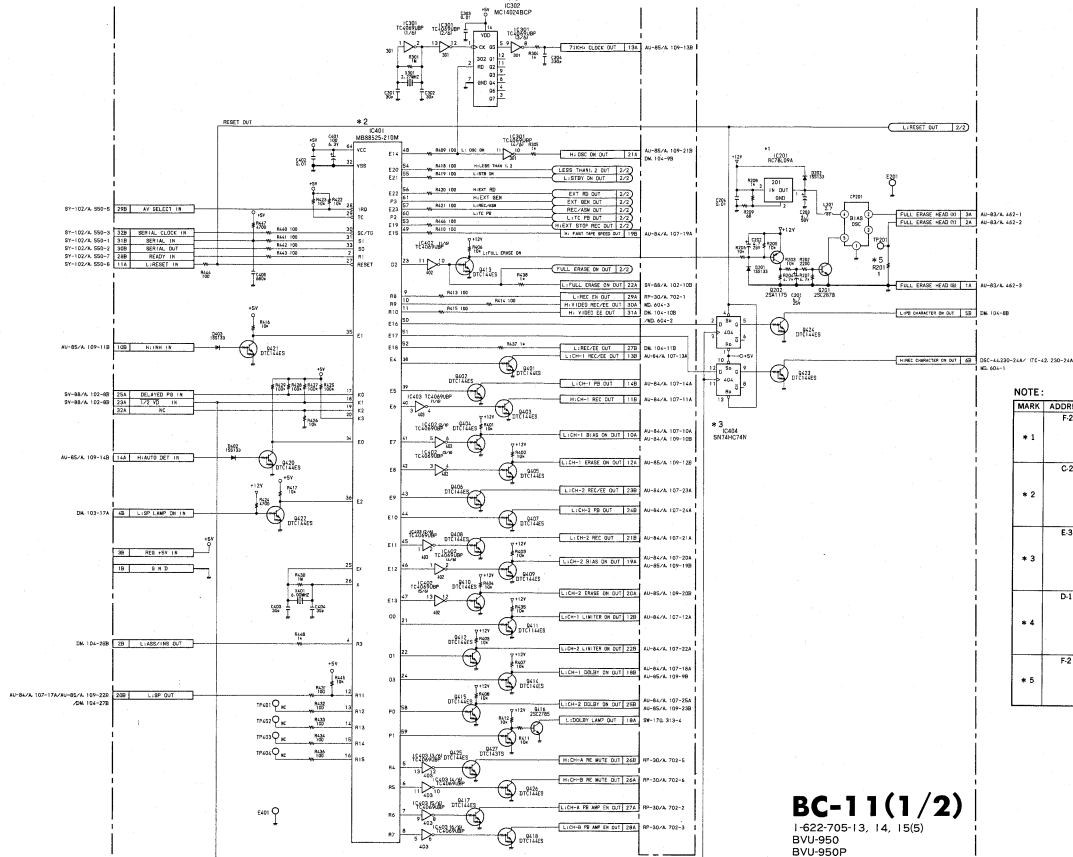
F

G

H

BC-11(1/2): VIDEO/AUDIO TIMING CONTROL  
FULL ERASE OSCILLATOR

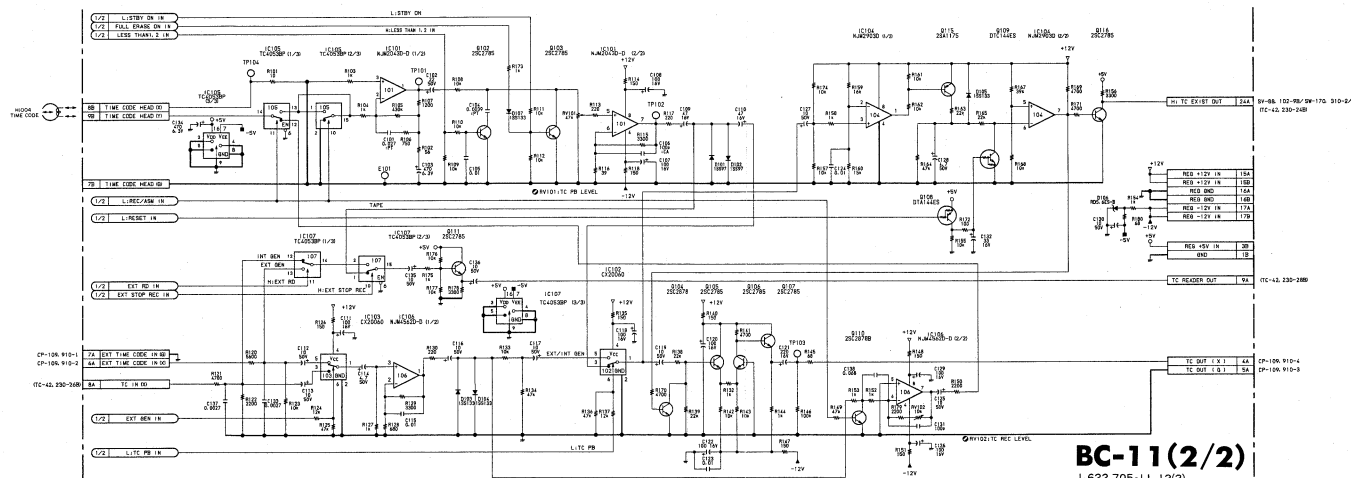
S/N 10981 AND HIGHER(EK)

**BC-11(1/2)**1-622-705-13, 14, 15(5)  
BVU-950  
BVU-950P

16-181 (b)

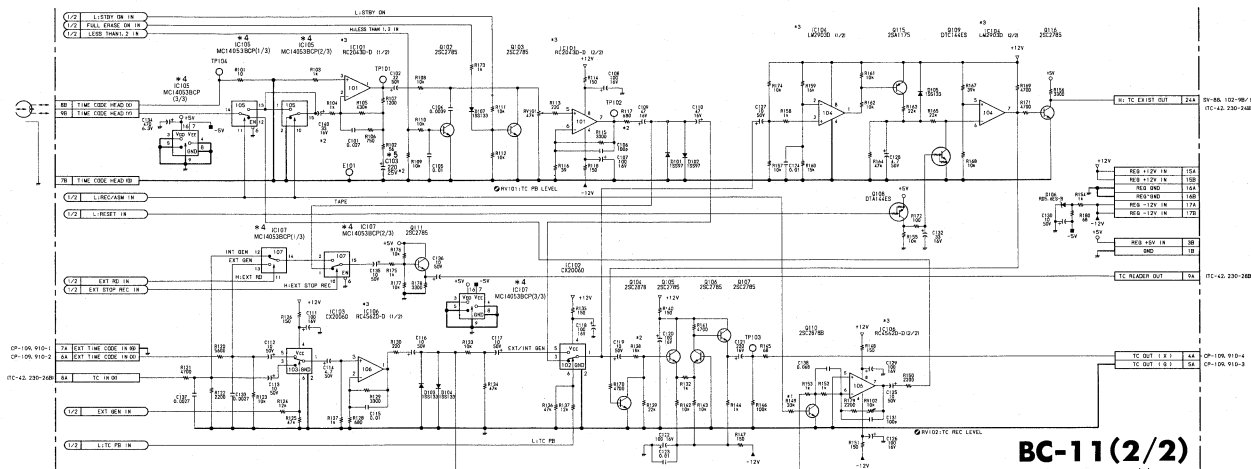
16-182 (b)

## BC-11 (2/2); TIME CODE REC/PB AMPLIFIER S/N UP TO 10980(EK)



**BC-11(2/2)**

1-622-705-11, 12(2)  
BVU-950  
BVU-950P

**BC-11(2/2)**I-622-705-13, I4, I5(B)  
BVU-950  
BVU-950P

## NOTE:

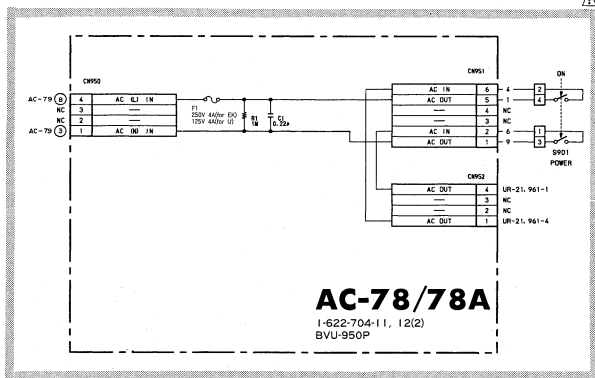
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	E4	R149 CHANGED UC: 13691; EK: 12231;	J: 10756; UC: 13691; EK: 12231;
	C2	C140 ADDED 33/16V	J: 11026; UC: 13691; EK: 12731;
* 2	C2	C103 CHANGED 470/6.3V → 100/16V	BR: 10046
	D2	R117 220 → 680	
	D3	R135 22K → 18K CHANGED	
* 3	C2	IC101 NJM2043D-D → RC2043D-D	J: 11026; UC: 14241; EK: 13681;
	E2	IC104 NJM2903D → LM2903D	BR: 10076
	C3	IC106 NJM4562D-D → RC4562D-D	

## NOTE:


MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 4	B2	IC105 CHANGED TC4053BP	J: 11446; UC: 13966; EK: 13991;
	C3	MC14033BCP IC107 CHANGED TC4053BP	BR: 10111;
		MC14033BCP	
* 5	C2	C103 CHANGED 100/16V → 220/25V	J: 11566; UC: 16476; EK: 14271;
			BR: 10131;



## AC-78A: AC PRIMARY CIRCUIT

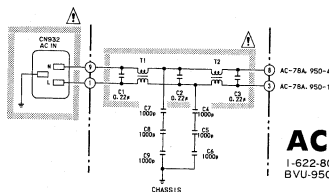


## NOTE:

The shaded and -marked components are critical to safety.  
Replace only with same components as specified.

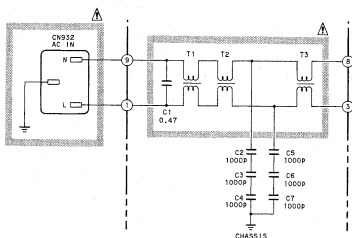
## AC-79; LINE FILTER

S/N UP TO 14270 (EK)


**AC-79**I-622-802-11, 12(2)  
BVU-950P

## AC-105; LINE FILTER

S/N 14271 AND HIGHER (EK)

**AC-105**I-633-371-11(1)  
BVU-950P

## NOTE:

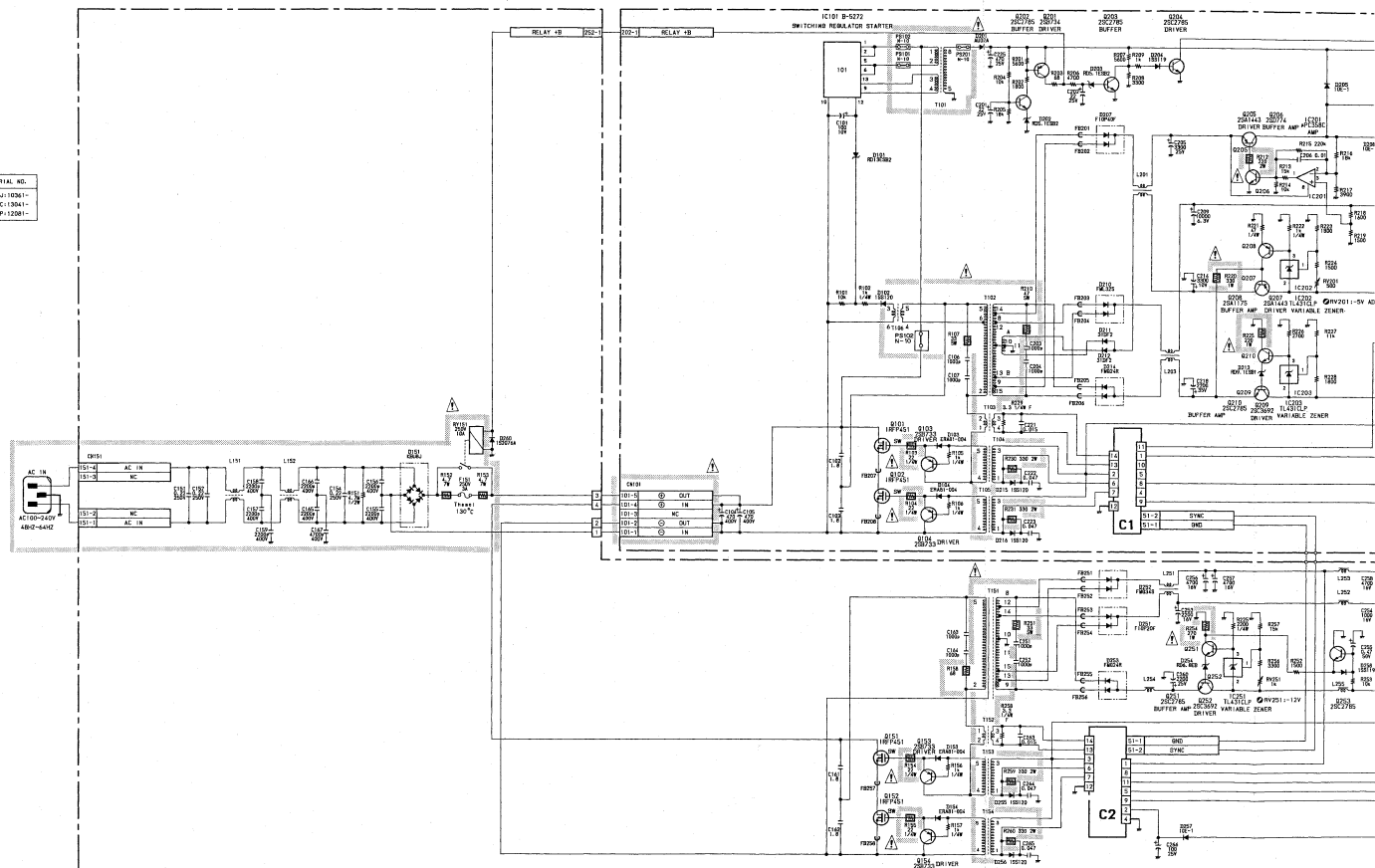
The shaded and -marked components are critical to safety.  
Replace only with same components as specified.

## UR-21:SWITCHING REGULATOR

M1  
M2

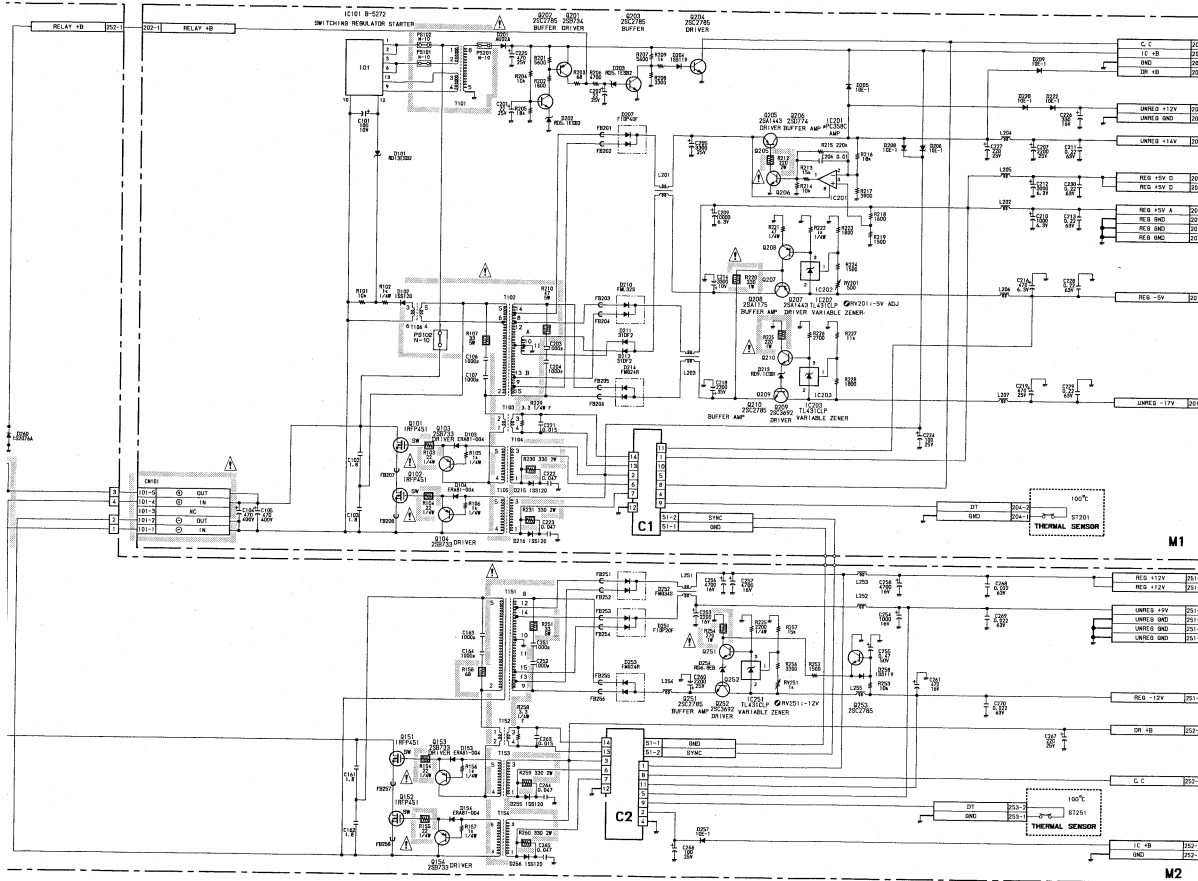
## NOTE:

MARK	CHANGE	INFORMATION	ON	SERIAL NO.
41	ADDED	PS102	W-10	UC-100041- P-120061-



NOTE:

The shaded and  $\Delta$ -marked components are critical to safety.  
Replace only with same components as specified.



M1

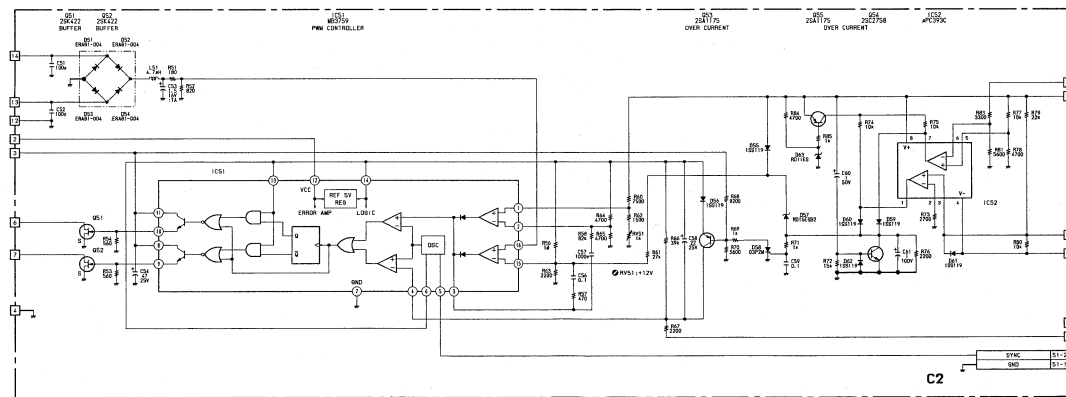
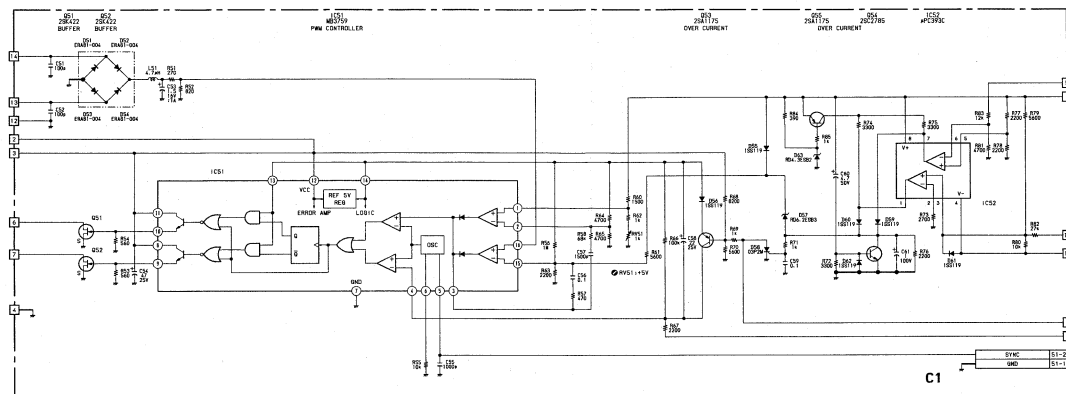
M2

UR-21(1/2)

1-413-307-13(1)  
BVU-950  
BVU-950P

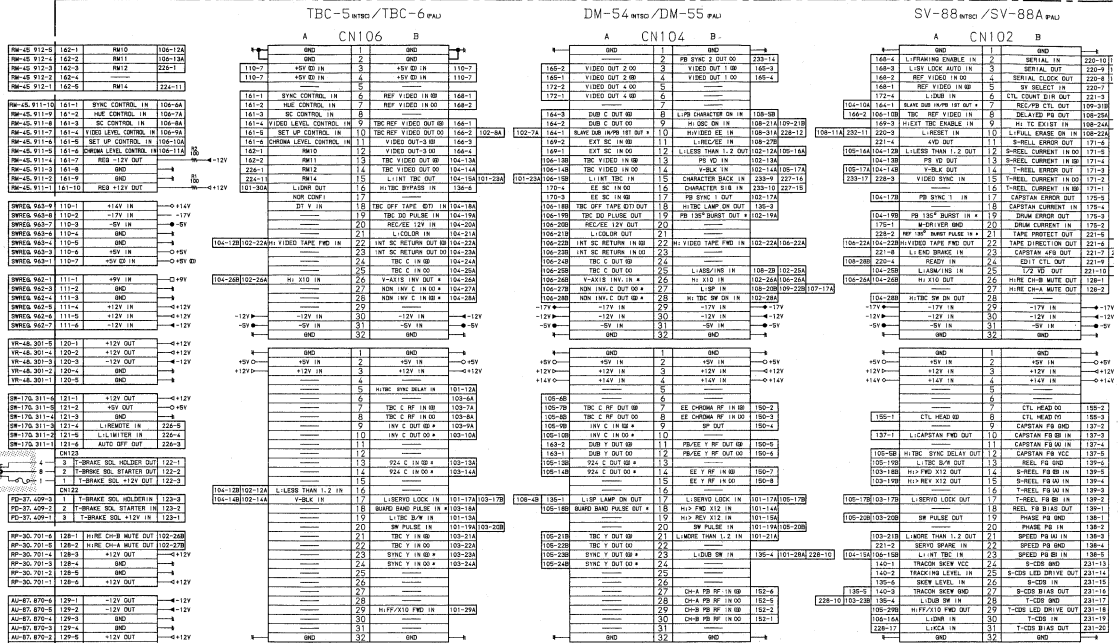
UR-21:SWITCHING REGULATOR

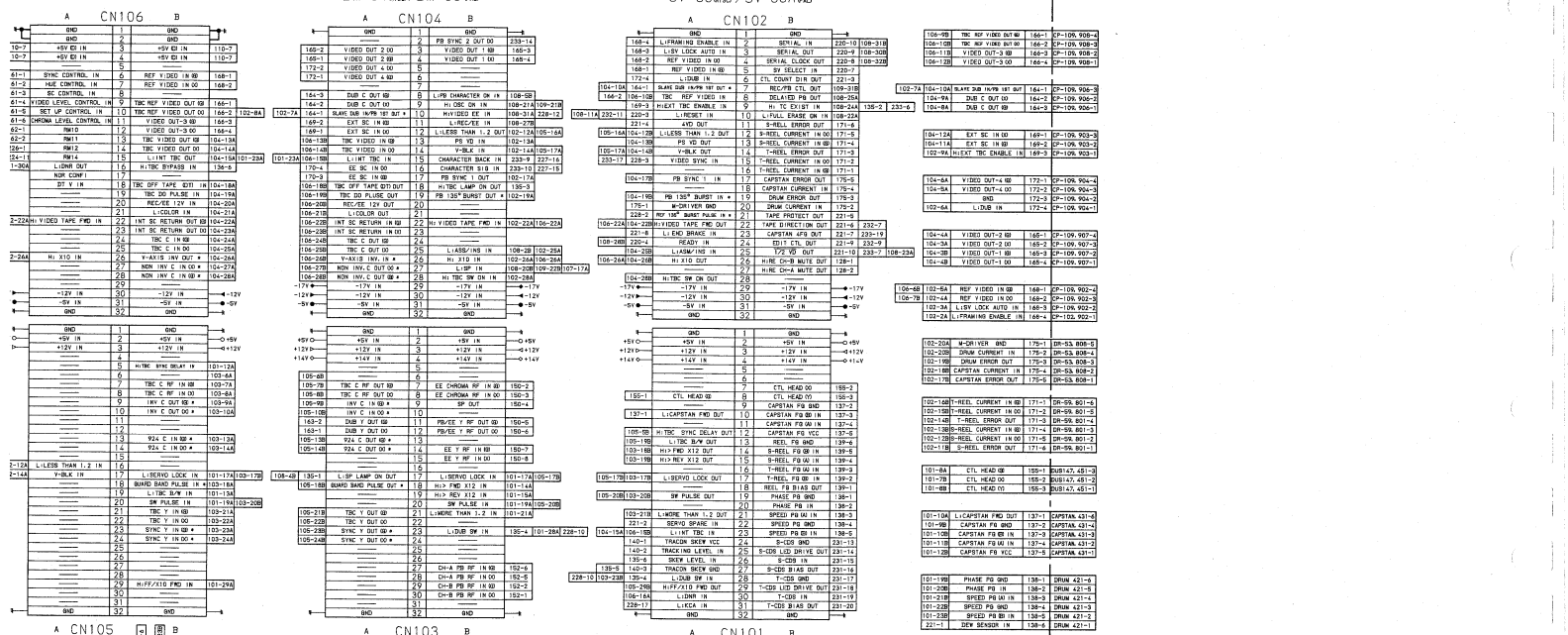
C1  
C2



UR-21(2/2)

1-413-307-13(1)  
BVU-950  
BVU-950P



TBC-5<sub>TRIO</sub>/TBC-6<sub>PAU</sub>DM-54<sub>TRIO</sub>/DM-55<sub>PAU</sub>SV-88<sub>TRIO</sub>/SV-88A<sub>PAU</sub>

MB-127(1/2)

1-622-713-11, 12, 13(4)

BVU-950

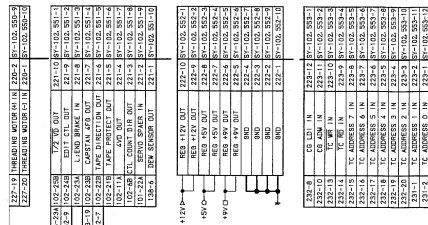
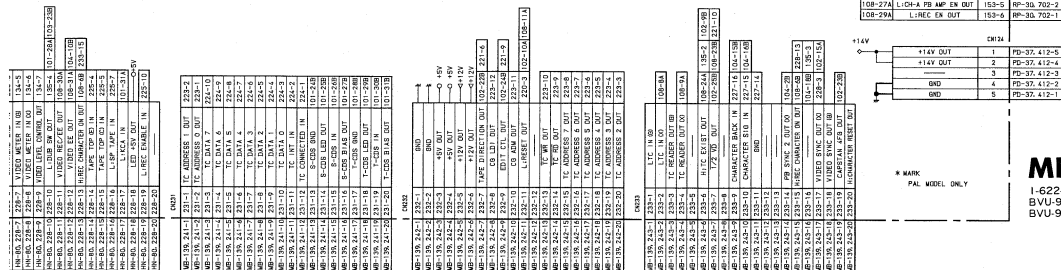
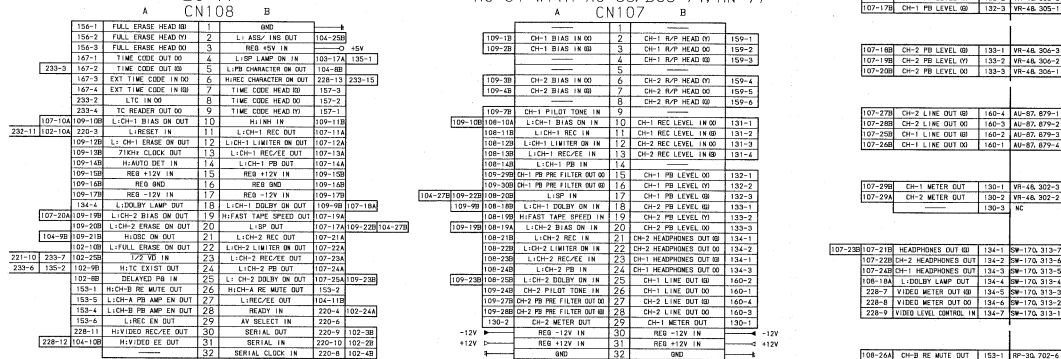
BVU-950P

NOTE:

The shaded and  $\Delta$  marked components are critical to safety.  
Replace only with same components as specified.





BC-11  
CN108AU-84 WITH AU-83, DUS-71, HN-77  
CN107

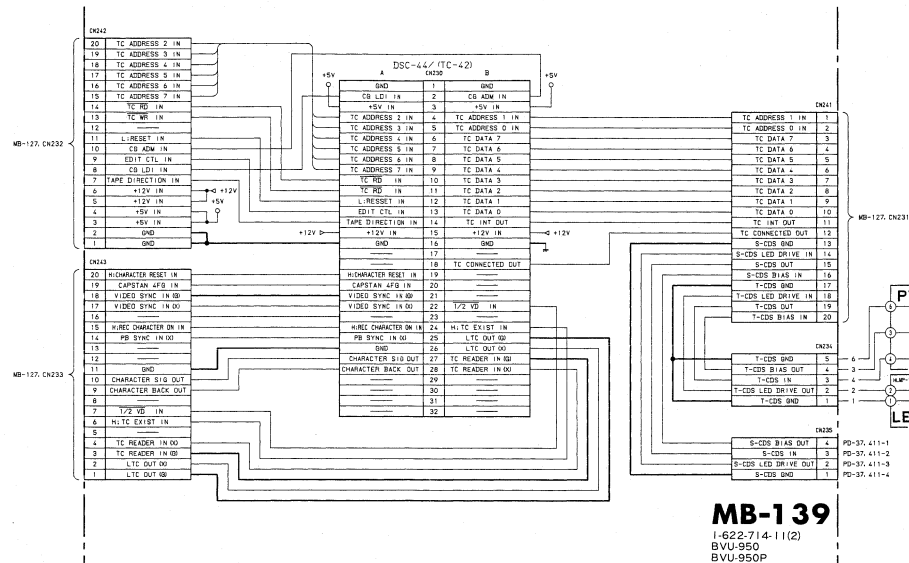
MB-127(2/2)

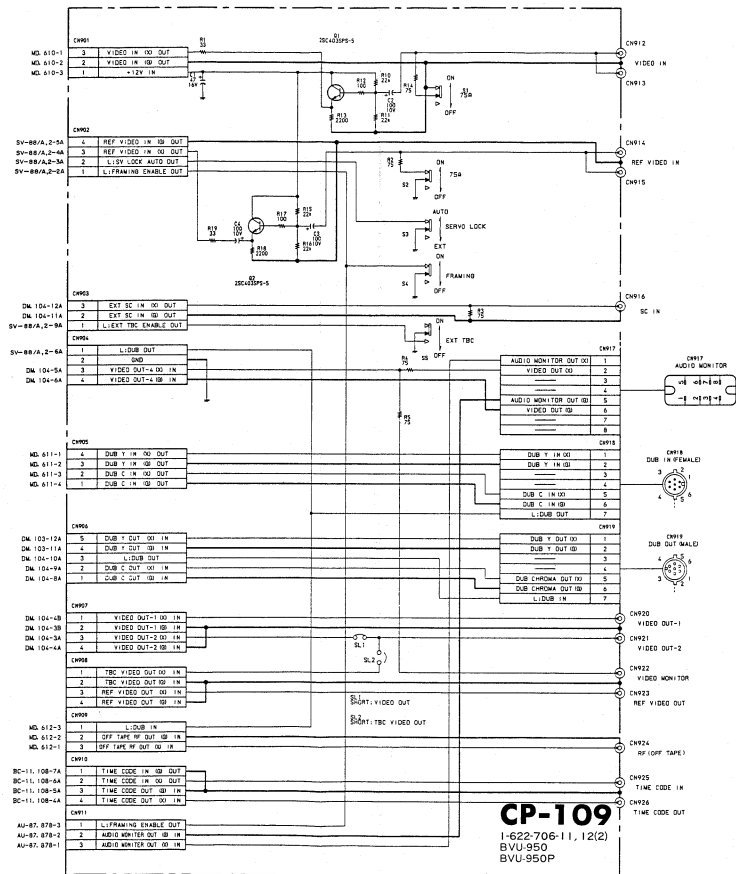
1-622-713-11, 12, 13(3)  
BUV-950  
BUV-950P

LE-54: T-TENSION LED

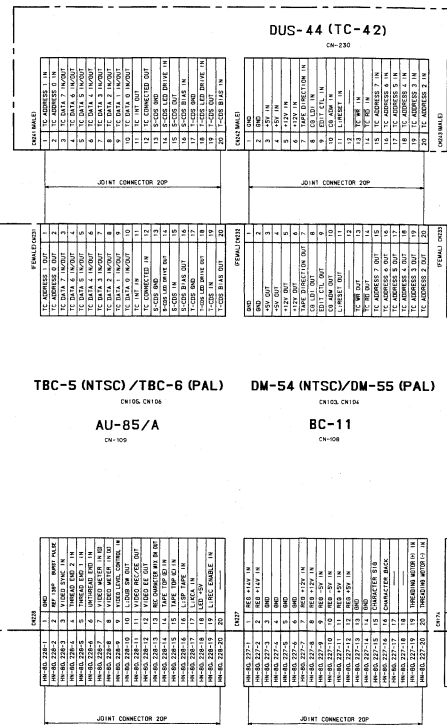
MB-139: SUB MOTHER FOR TC


PTC-29: T-TENSION CDS

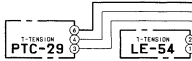




FRAME(1/2)



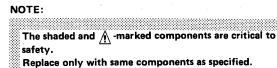
The shaded and -marked components are critical to safety.  
Replace only with same components as specified.



DUS-44 (TC-42)

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## SECTION 17 PRINTED WIRING BOARDS

The circuit information is provided below.

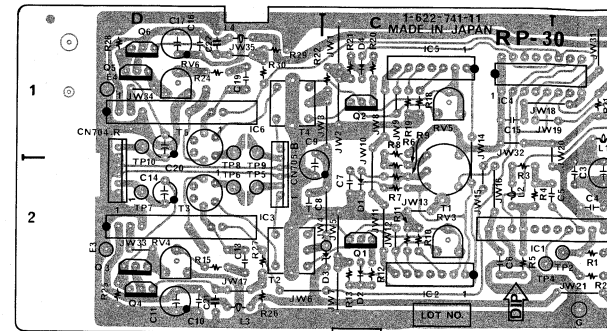
SYSTEM	CIRCUIT BOARD	CIRCUIT FUNCTION
VIDEO	RP-30A	RF REC/PB /rotary erase
	MD-45	Y/C modulator
	DM-55	Y/C demodulator
	SW-170	Video level MANU/AUTO select
	VR-48	Video level control
	MT-28	Video level meter
AUDIO	AU-83A	CH-1 REC/PB /DOLBY processor
	DUS-71	Variable coil
	AU-84A	CH-2 REC/PB
	DUS-71	Variable coil
	HN-77	Junction board
	AU-85A	DOLBY auto detector, bias oscillator
	SW-171	DOLBY ON/OFF switch
	AU-87	Mic/output/monitor amplifier
	VR-48	REC/PB level control
	MT-28	Audio level meter
	VR-49	Headphones level control
	HP-28	Headphones
	DUS-92	Audio head
	DUS-147	Junction board for audio head
	BC-11	Full erase oscillator
	SW-170	Audio monitor select
SERVO	SV-88A	Drum/capstan/reel servo
	SE-48	Reel rotation detector
	DR-53	Motor driver for reel/capstan/drum
	DR-59	Motor driver for reel
	PTC-28	S-tension CDS
	LE-53	S-tension LED
	PTC-29	T-tension CDS
	LE-54	T-tension LED
	DUS-177	T-reel motor
	DUS-178	S-reel motor
	VR-48	Tracking control

SYSTEM	CIRCUIT BOARD	CIRCUIT FUNCTION
SYSCON	SY-102A	System control
	KY-101 / KY-144	Function key board
	DP-62	Display
	BC-11	Video/audio timing control
	HN-80	Threading motor driver
	LM-13	Threading motor
	PD-37	Cassette-up compartment motor driver /Solenoid driver
	CC-31 / CC-36	Cassette compartment driver
	CC-32 / CC-36	Cassette down detector
	CC-33 / CC-37	Cassette in detector
	PTC-30	SP, miss REC, KCA detector
	PTC-33	FR stop detector
	PTC-34	Uthread end detector
	PH-5(A)	Tape top LED
	PH-5(B)	Tape top sensor
	PH-5(C)	Tape end LED
	PTC-25	Tape end sensor
	SW-170	Select switch /warning indicator
	SW-171	Remote 1/2 Select /TBC ON/OFF /Character ON/OFF
	PTC-32	Search dial
	RM-44	Remote control (9pin & 24pin)
	DSC-44	Character generator
TIME CODE	TC-42	Time code (Option)
	BC-11	Time code REC/PB amplifier
	HN-84	Time code head
	SW-172	Time code control Switch (Option)
POWER	AC-78A	AC primary circuit
	AC-79	Line filter
	M1	Switching Regulator (UR-21)
	M2	
	C1	
	C2	
OTHERS	MB-127	Mother board
	MB-139	Sub mother for TC
	CP-109	Connector panel
	RM-45	TBC remote control
	EX-127	Extension board for Audio/Time code
	EX-128	Extension board for Video/Servo/TBC
	HN-80	Relay board for video/tape sensor/ threading motor driver
	HN-83	Relay board for time code head/erase head
	MT-28	Meter
	LP-41	Cassette compartment light
	TBC-6	Time base corrector (Option)



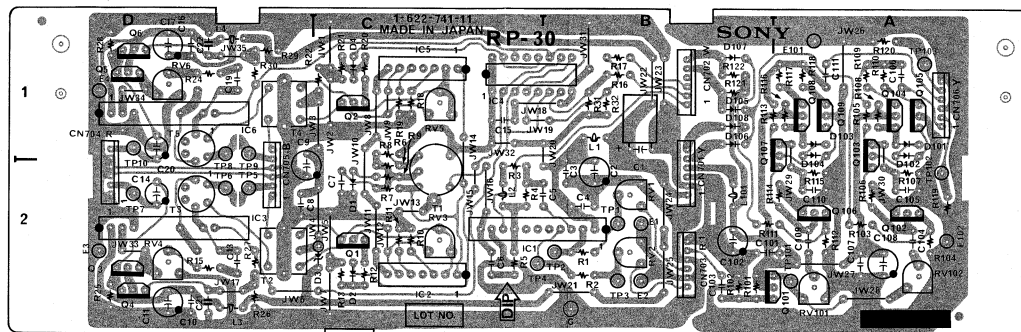
RP30A (1-622-741-11)

CN701	B2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		
		TP1	B-2
D1	C-2	TP2	B-2
D2	C-2	TP3	B-2
D3	C-2	TP4	C-2
D4	C-1	TP5	D-2
D101	A-1	TP6	D-2
D102	A-1	TP7	D-2
D103	A-1	TP8	D-1
D104	A-1	TP9	D-1
D105	B-1	TP10	D-1
D106	B-1	TP101	A-2
D107	B-1	TP102	A-2
D108	B-1	TP103	A-1
E1	B-2		
E2	B-2		
E3	D-2		
E4	D-1		
E101	A-1		
E102	A-2		
IC1	C-2		
IC2	C-2		
IC3	D-2		
IC4	C-1		
IC5	C-1		
IC6	D-1		
Q1	C-2		
Q2	C-1		
Q3	D-2		
Q4	D-2		
Q5	D-1		
Q6	D-1		
Q101	A-2		
Q102	A-2		
Q103	A-1		
Q104	A-1		
Q105	A-1		
Q106	A-2		
Q107	A-1		
Q108	A-1		
Q109	A-1		
RV1	B-2		
RV2	B-2		
RV3	C-2		
RV4	D-2		
RV5	C-1		
RV6	D-1		
RV101	A-2		
RV102	A-2		



RP-30A: RF REC/PB /ROTARY ERASE

S/N UP TO 10080(EK)



**RP-30/A** —COMPONENT SIDE—  
 1-B22-741-11(D)  
 BVU-550  
 BVU-550P

RP-30A (1-622-741-12)

CN701	B-2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		

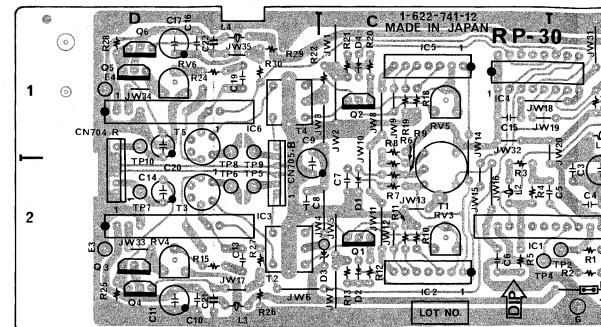
D1	C-2	TP1	B-2
D2	C-2	TP2	B-2
D3	C-2	TP3	B-2
D4	C-1	TP4	C-2
D101	A-1	TP5	D-2
D102	A-1	TP6	D-2
D103	A-1	TP7	D-2
D104	A-1	TP8	D-1
D105	A-1	TP9	D-1
D106	B-1	TP10	D-1
D107	B-1	TP101	A-2
D108	B-1	TP102	A-2
		TP103	A-1

E1	B-2
E2	B-2
E3	D-2
E4	D-1
E101	A-1
E102	A-2

IC1	C-2
IC2	C-2
IC3	D-2
IC4	C-1
IC5	C-1
IC6	D-1

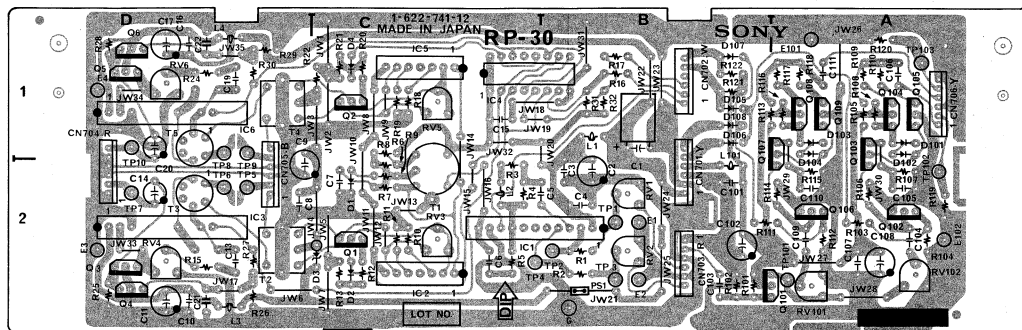
Q1	C-2
Q2	C-1
Q3	D-2
Q4	D-2
Q5	D-1
Q6	D-1
Q101	A-2
Q102	A-2
Q103	A-1
Q104	A-1
Q105	A-1
Q106	A-2
Q107	A-1
Q108	A-1
Q109	A-1

RV1	B-2
RV2	B-2
RV3	C-2
RV4	D-2
RV5	C-1
RV6	D-1
RV101	A-2
RV102	A-2



RP-30A: RF REC/PB /ROTARY ERASE

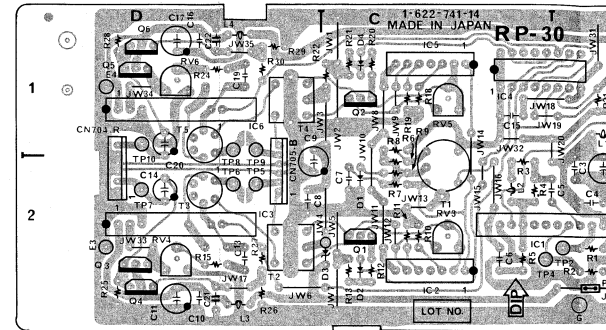
S/N 10081 TO 11880 (EK)



RP-30/A — COMPONENT SIDE —  
 1-622-741-12(1)  
 89U-950  
 BVU-950P

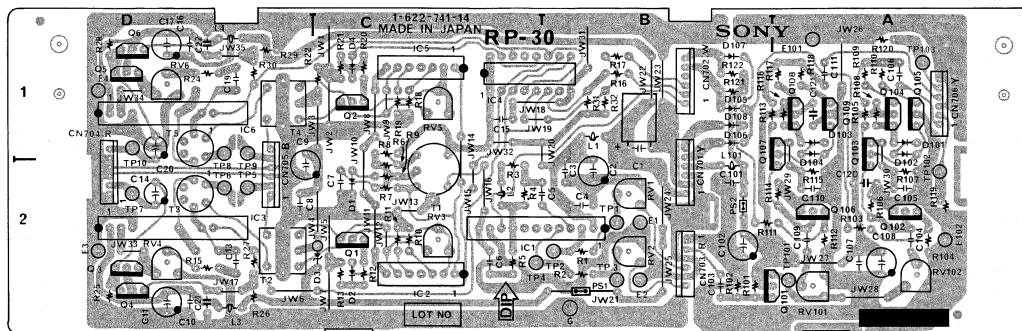
RP-30A (1-622-741-14)

CN701	B-2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		
		TP1	B-2
D1	C-2	TP2	B-2
D2	C-2	TP3	B-2
D3	C-2	TP4	C-2
D4	C-1	TP5	D-2
D101	A-1	TP6	D-2
D102	A-1	TP7	D-2
D103	A-1	TP8	D-1
D104	A-1	TP9	D-1
D105	B-1	TP10	D-1
D106	B-1	TP101	A-2
D107	B-1	TP102	A-2
D108	B-1	TP103	A-1
E1	B-2		
E2	B-2		
E3	D-2		
E4	D-1		
E101	A-1		
E102	A-2		
IC1	C-2		
IC2	C-2		
IC3	D-2		
IC4	C-1		
IC5	C-1		
IC6	D-1		
Q1	C-2		
Q2	C-1		
Q3	D-2		
Q4	D-2		
Q5	D-1		
Q6	D-1		
Q101	A-2		
Q102	A-2		
Q103	A-1		
Q104	A-1		
Q105	A-1		
Q106	A-2		
Q107	A-1		
Q108	A-1		
Q109	A-1		
RV1	B-2		
RV2	B-2		
RV3	C-2		
RV4	D-2		
RV5	C-1		
RV6	D-1		
RV101	A-2		
RV102	A-2		



RP-30A: RF REC/PB/ROTARY ERASE

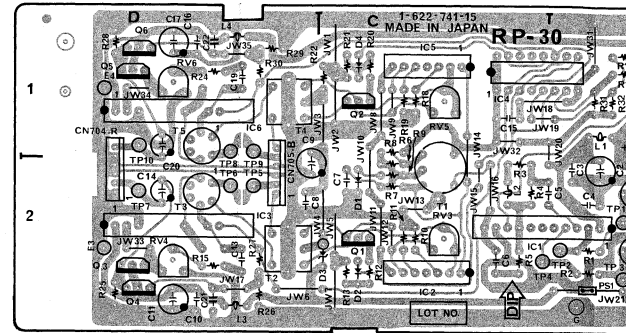
S/N 11881 TO 14595 (EK)



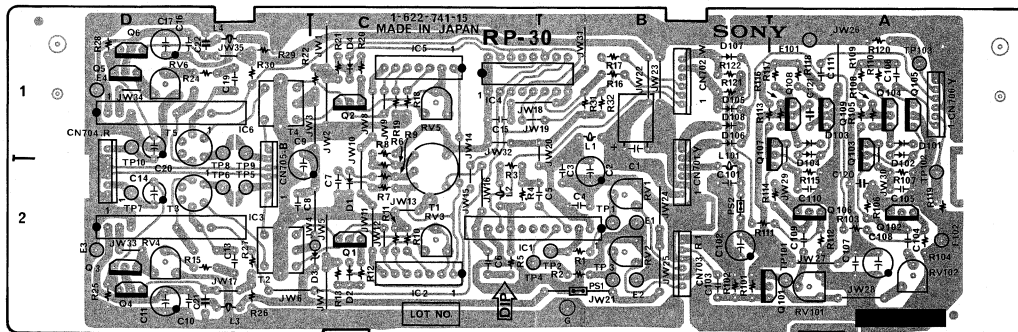
**RP-30/A** — COMPONENT SIDE —  
 1-622-741-14(1)  
 RVU980  
 BVU-650P

RP-30A (1-622-741-15)

CN701	B-2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		
		TP1	B-2
D1	C-2	TP2	B-2
D2	C-2	TP3	B-2
D3	C-2	TP4	C-2
D4	C-1	TP5	D-2
D101	A-1	TP6	D-2
D102	A-1	TP7	D-2
D103	A-1	TP8	D-1
D104	A-1	TP9	D-1
D105	B-1	TP10	D-1
D106	B-1	TP101	A-2
D107	B-1	TP102	A-2
D108	B-1	TP103	A-1
E1	B-2		
E2	B-2		
E3	D-2		
E4	D-1		
E101	A-1		
E102	A-2		
IC1	C-2		
IC2	C-2		
IC3	D-2		
IC4	C-1		
IC5	C-1		
IC6	D-1		
Q1	C-2		
Q2	C-1		
Q3	D-2		
Q4	D-2		
Q5	D-1		
Q6	D-1		
Q101	A-2		
Q102	A-2		
Q103	A-1		
Q104	A-1		
Q105	A-1		
Q106	A-2		
Q107	A-1		
Q108	A-1		
Q109	A-1		
RV1	B-2		
RV2	B-2		
RV3	C-2		
RV4	D-2		
RV5	C-1		
RV6	D-1		
RV101	A-2		
RV102	A-2		



RP-30A; RF REC/PB/ROTARY ERASE S/N 14596 AND HIGHER (EK)



RP-30/A —COMPONENT SIDE—  
1-622-741-15(1)  
RVU-950  
RVU-950P

C.2  
D.2  
D.2  
D.1  
D.1

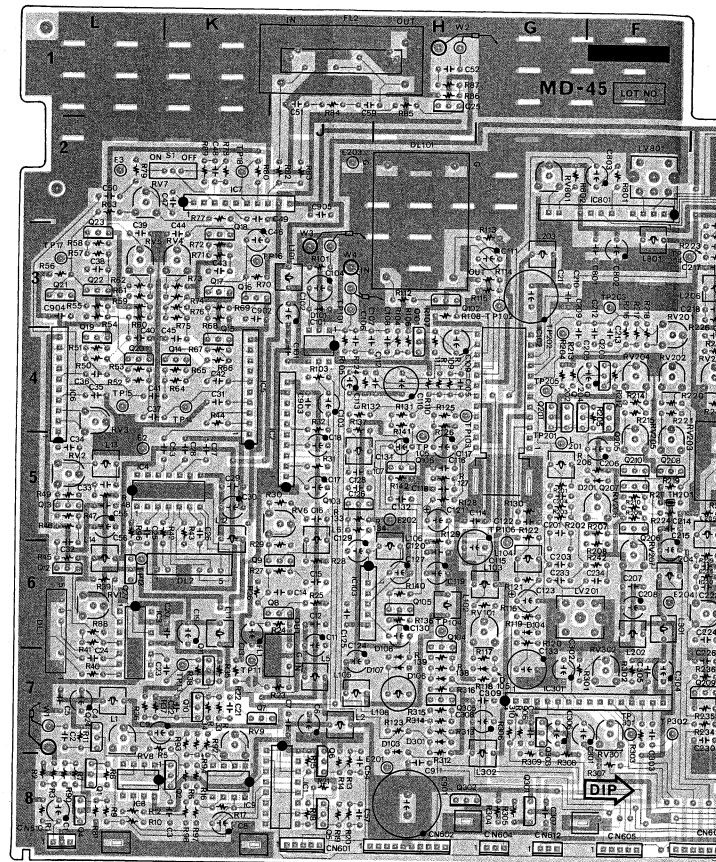
B.2  
B.2  
B.2  
C.2  
D.2  
D.2  
D.1  
D.1  
A.2  
A.1



MD-45 (1-622-742-11)

CN601	J-8	IC8	L-8	Q210	F-5	TP14	K-4
CN602	H-8	IC9	K-8	Q211	E-7	TP15	L-4
CN603	D-8	IC101	J-4	Q301	G-8	TP16	K-3
CN604	G-8	IC102	G-4	Q302	H-8	TP17	L-3
CN605	F-8	IC103	J-6	Q303	G-7	TP18	K-2
CN606	E-8	IC201	E-4	Q305	H-7	TP101	J-3
CN607	B-8	IC202	E-6	Q501	A-8	TP102	G-3
CN608	C-8	IC301	G-7	Q502	B-5	TP103	H-4
CN610	L-8	IC501	A-7	Q503	A-5	TP104	H-6
CN611	A-8	IC502	B-8	Q504	A-6	TP105	H-5
CN612	G-8	IC503	C-6	Q505	B-7	TP106	G-5
		IC504	C-4	Q506	D-4	TP201	G-5
D101	J-3	IC801	F-2	Q507	D-4	TP202	G-3
D103	H-7	IC802	D-3	Q508	B-3	TP203	F-3
D104	G-6	IC803	D-7	Q509	C-4	TP204	E-3
D105	G-7			Q510	D-4	TP205	G-4
D106	H-7	LV201	F-6	Q511	D-5	TP206	E-5
D107	H-7	LV801	F-2	Q512	C-7	TP207	E-7
D108	H-7			Q513	B-5	TP301	F-7
D201	F-5	Q1	L-8	Q801	D-8	TP302	F-7
D301	H-7	Q4	L-8	Q802	C-8	TP501	A-7
D501	A-7	Q5	J-8	RV1	L-6	TP502	C-5
D503	A-7	Q6	J-8	RV2	L-5	TP503	C-6
D505	B-4	Q7	J-7	RV3	L-4	TP504	C-3
D506	C-3	Q8	J-6	RV4	K-3	TP505	C-4
D507	B-5	Q9	J-6	RV5	L-3	TP506	C-5
D508	C-8	Q10	K-7	RV6	J-5	TP507	D-4
		Q11	K-7	RV7	L-2	TP508	D-3
DL1	L-6	Q12	L-6	RV8	L-7	TP509	D-3
DL2	K-6	Q13	L-5	RV9	K-7	TP510	D-5
DL101	H-2	Q14	K-4	RV101	G-6	TP511	D-5
DL501	A-3	Q15	K-4	RV201	F-3	TP801	D-8
		Q16	K-3	RV202	F-4	TP802	C-8
E2	L-5	Q17	K-3	RV203	F-5		
E3	L-2	Q18	K-3	RV204	F-4	X501	A-4
E201	H-8	Q19	L-4	RV205	F-5		
E202	H-5	Q20	L-4	RV206	F-5		
E203	J-2	Q21	L-3	RV207	F-6		
E204	F-6	Q22	L-3	RV208	E-4		
E501	C-8	Q23	L-3	RV209	E-6		
E502	B-5	Q24	L-7	RV301	F-7		
E503	D-3	Q25	H-1	RV302	F-7		
E504		Q27	L-6	RV501	A-6		
		Q101	H-3	RV502	B-7		
FL1	J-7	Q102	H-3	RV503	D-5		
FL2	J-1	Q103	J-5	RV504	B-4		
FL201	E-5	Q104	H-6	RV505	C-4		
FL202	E-5	Q105	H-6	RV801	G-2		
FL501	A-5	Q106	H-5	RV802	E-2		
FL502	D-6	Q201	G-4	RV803	D-7		
		Q202	G-4				
IC1	J-8	Q203	F-4	S1	K-2		
IC2	J-4	Q204	F-4				
IC3	L-6	Q205	F-4	T501	A-3		
IC4	L-5	Q206	F-5				
IC5	K-4	Q207	F-5	TP11	K-7		
IC6	L-4	Q208	F-5	TP12	L-6		
IC7	K-2	Q209	E-7	TP13	K-7		

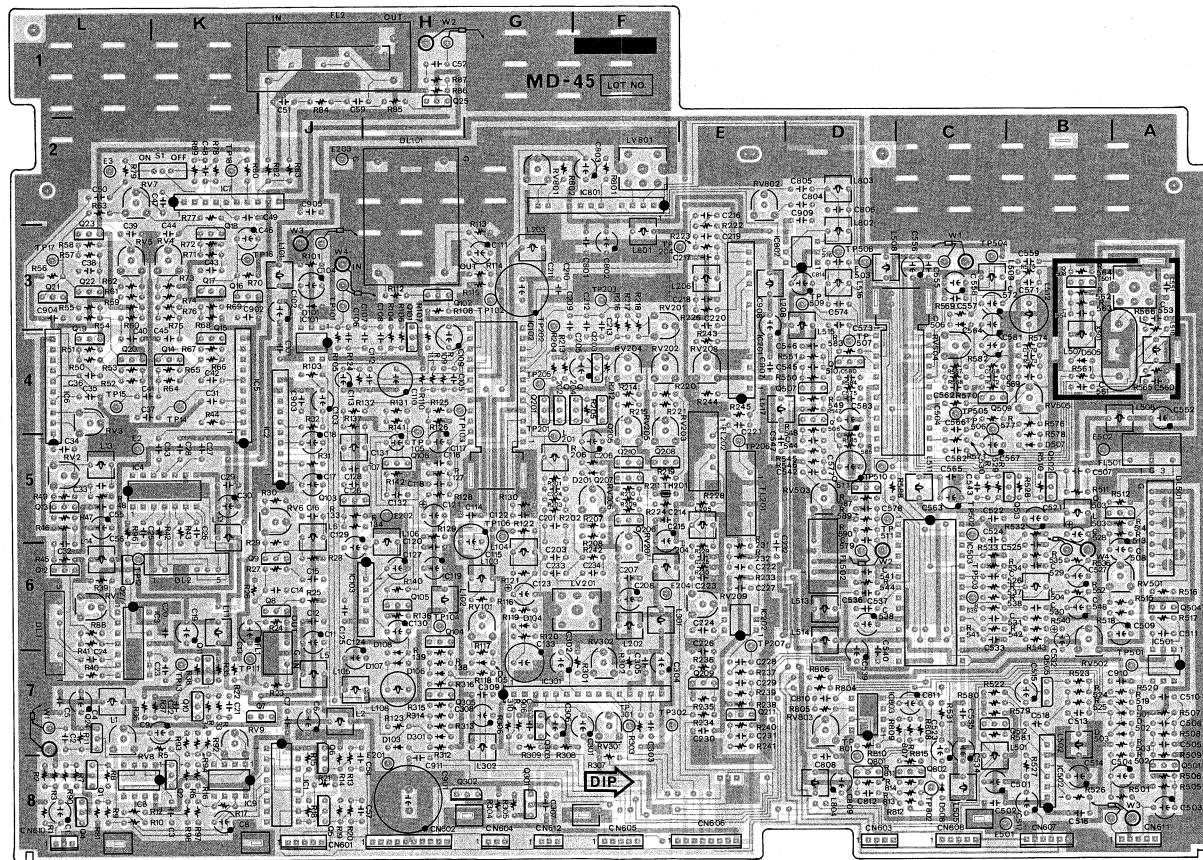
17-11(a)



17-12(a)

MD-45: Y/C MODULATOR

S/N UP TO 10980(EK)



17-12(a)

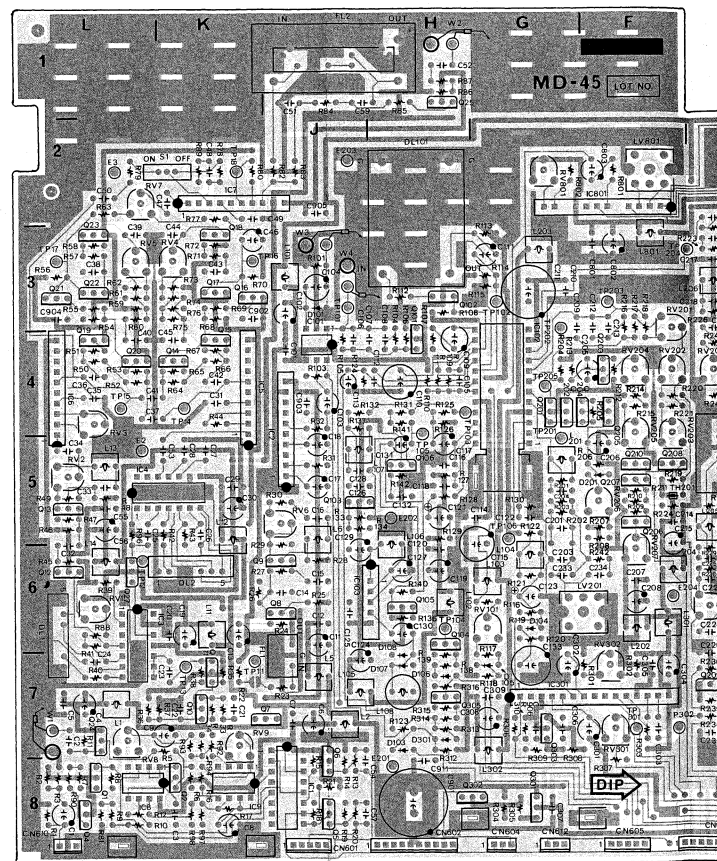
17-13(a)

MD-45 — COMPONENT SIDE —  
 1-622-742-1(11)  
 REV 9508

MD-45 (1-622-742-12)

CN601	J8	IC8	L8	Q210	F5	TP14	K4
CN602	H8	IC9	K8	Q211	E7	TP15	L4
CN603	D8	IC101	J4	Q301	G8	TP16	K3
CN604	G8	IC102	G4	Q302	H8	TP17	L3
CN605	F8	IC103	J6	Q303	G7	TP18	K2
CN606	E8	IC201	E4	Q305	H7	TP101	J3
CN607	B8	IC202	E6	Q501	A8	TP102	G3
CN608	C8	IC301	G7	Q502	B5	TP103	H4
CN610	L8	IC501	A7	Q503	A5	TP104	H6
CN611	A8	IC502	B8	Q504	A6	TP105	H5
CN612	G8	IC503	C6	Q505	B7	TP106	G5
		IC504	C4	Q506	D4	TP201	G5
D101	J3	IC801	F2	Q507	D4	TP202	G3
D103	H7	IC802	D3	Q508	B3	TP203	F3
D104	G6	IC803	D7	Q509	C4	TP204	E3
D105	G7			Q510	D4	TP205	G4
D106	H7	LV201	F6	Q511	D5	TP206	E5
D107	H7	LV801	F2	Q512	C7	TP207	E7
D108	H7			Q513	B5	TP301	F7
D201	F5	Q1	L8	Q801	D8	TP302	F7
D301	H7	Q2	K8	Q802	C8	TP501	A7
D501	A7	Q4	L8			TP502	C5
D502	A7	Q5	J8	RV1	L6	TP503	C6
D503	A7	Q6	J8	RV2	L5	TP504	C3
D505	B4	Q7	J7	RV3	L4	TP505	C4
D506	C3	Q8	J6	RV4	K3	TP506	C5
D507	B5	Q9	J6	RV5	L3	TP507	D4
D508	C8	Q10	K7	RV6	J5	TP508	D3
DL1	L6	Q12	L6	RV7	L2	TP509	D3
DL2	K6	Q13	L5	RV9	K7	TP511	D5
DL101	H2	Q14	K4	RV101	G6	TP801	D8
DL501	A5	Q15	K4	RV201	F3	TP802	C8
		Q16	K3	RV202	F4		
E2	L5	Q17	K3	RV203	F5	X501	A4
E3	L2	Q18	K3	RV204	F4		
E201	H8	Q19	L4	RV205	F5		
E202	H5	Q20	L4	RV206	F5		
E203	J2	Q21	L3	RV207	F6		
E204	F6	Q22	L3	RV208	E4		
E501	C8	Q23	L3	RV209	E6		
E502	B5	Q24	L7	RV301	F7		
E503	D3	Q25	H1	RV302	F7		
E504		Q27	L6	RV501	A6		
		Q101	H3	RV502	B7		
		Q102	H3	RV503	D5		
FL1	J7	Q103	J5	RV504	C4		
FL201	E5	Q104	H6	RV505	B4		
FL202	E5	Q105	H6	RV801	G2		
FL501	A5	Q106	H5	RV802	E2		
FL502	D6	Q201	G4	RV803	D7		
		Q202	G4				
IC1	J8	Q203	F4	S1	K2		
IC2	J4	Q204	F4				
IC3	L6	Q205	F4	T501	A3		
IC4	L5	Q206	F5				
IC5	K4	Q207	F5	TP11	K7		
IC6	L4	Q208	F5	TP12	L6		
IC7	K2	Q209	E7	TP13	K7		

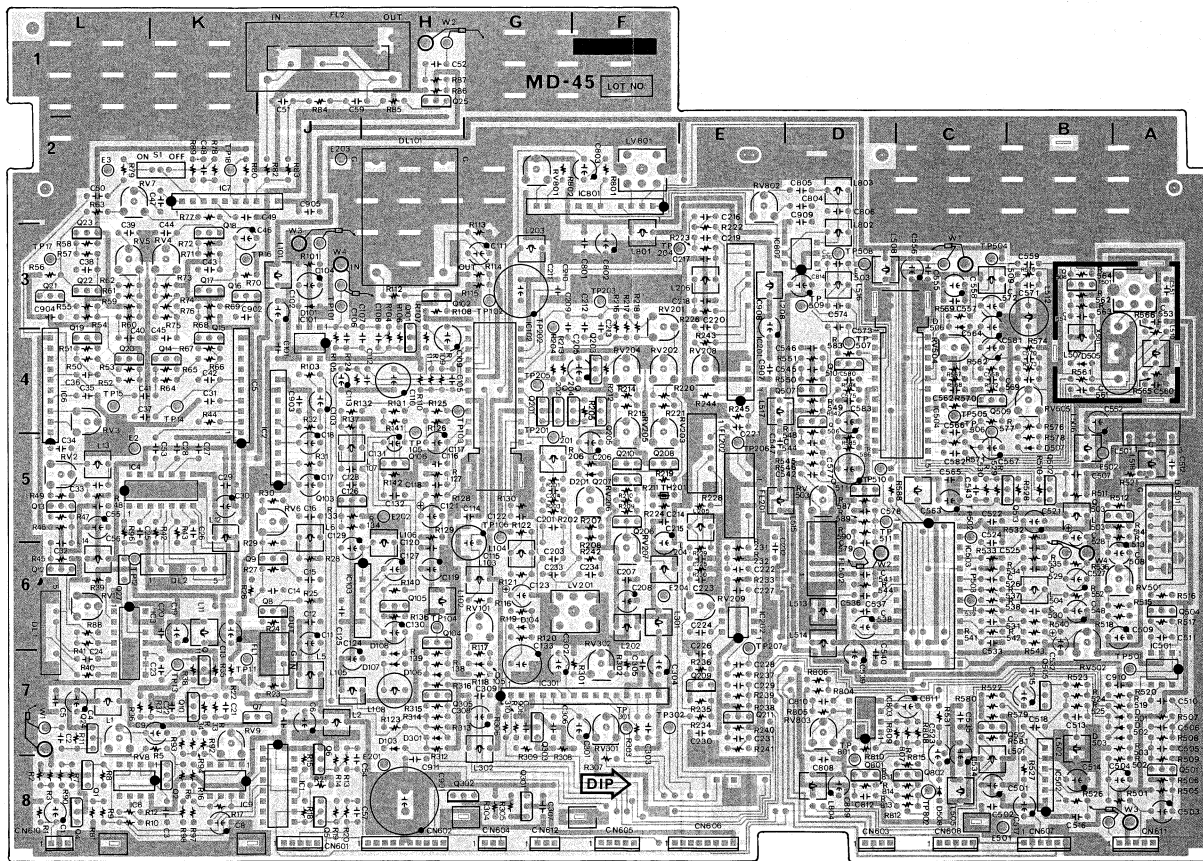
17-11(b)



17-12(b)

MD-45: Y/C MODULATOR

S/N 10981 AND HIGHER(EK)



MD-45—COMPONENT SIDE—  
 1-622-742-12(1)  
 SVI-9509

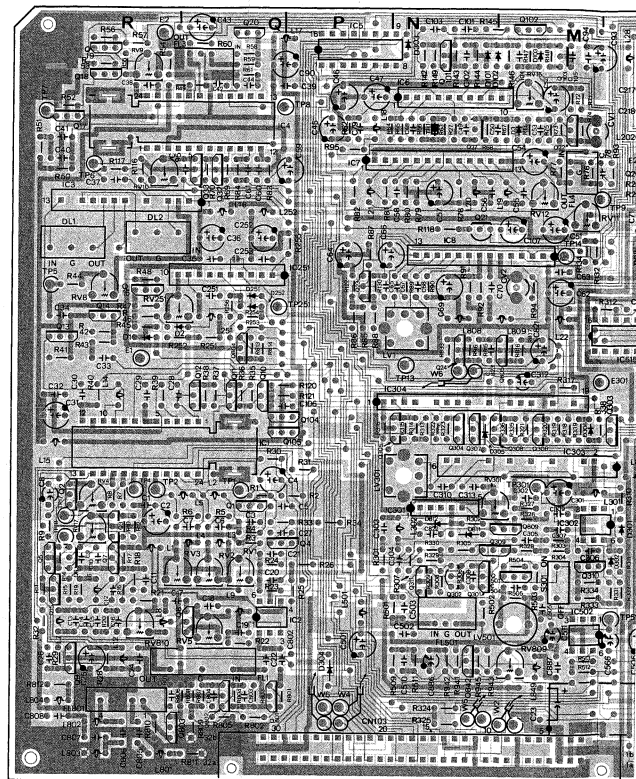
17-12(b)

17-13(b)

DM55 (1622-74311)

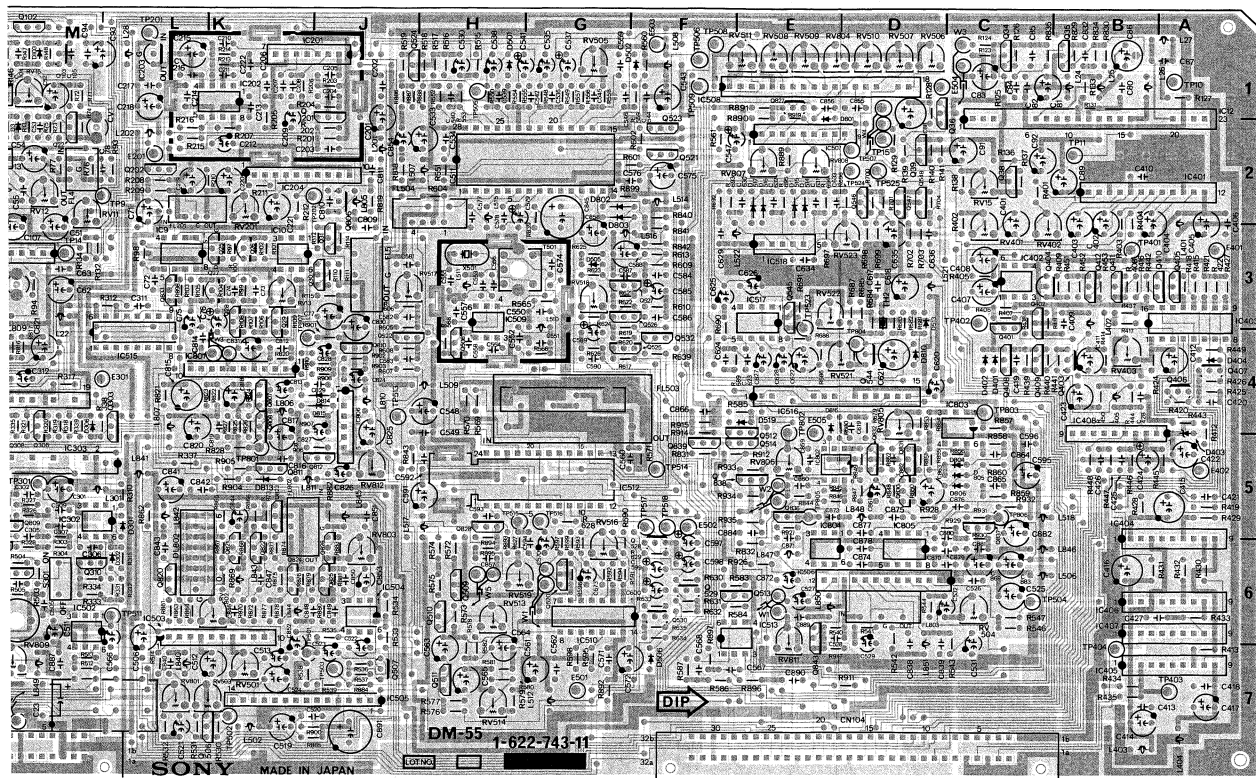
CN103	N-7	E502	D-1	IC517	E-3	Q301	N-6	Q810	J-4	RV522	E-3	TP524	D-2
CN104	D-7	E503	F-1	IC518	E-3	Q302	N-6	Q811	K-5	RV523	D-3	TP525	D-2
		E504	F-5	IC801	K-4	Q303	L-4	Q812	J-5	RV801	L-7	TP801	K-5
CV1	M-2	E505	E-4	IC802	E-5	Q304	N-4	Q820	L-6	RV802	K-6	TP802	E-4
CV2	M-3			IC803	C-4	Q305	N-4	Q821	K-6	RV803	J-6	TP803	C-4
		FL1	Q-7	IC804	E-6	Q306	M-4	Q822	K-6	RV804	E-1	TP804	D-4
D1	R-4	FL3	Q-1	IC805	D-6	Q307	N-4	Q823	K-5	RV805	D-4	TP805	E-5
D2	R-4	FL4	M-2	IC806	J-4	Q308	M-4	Q824	K-6	RV806	E-5	TP806	C-5
D3	M-2	FL5	J-3			Q309	M-6	Q825	J-6	RV807	E-2	TP807	K-4
D101	N-1	FL201	L-2	LV1	N-4	Q310	M-6	Q826	J-6	RV808	E-2		
D102	N-1	FL501	N-6	LV301	N-5	Q311	N-6	Q827	E-1	RV809	M-7	X501	H-3
D103	M-1	FL503	G-4	LV501	M-6	Q401	C-4	Q828	H-5	RV810	R-6		
D251	Q-3	FL504	H-2			Q402	C-3	Q830	D-5	RV811	E-7		
D252	Q-3	FL801	R-7	Q1	Q-5	Q403	B-4	Q831	D-5	RV812	J-5		
D301	L-5	FL802	K-5	Q2	R-5	Q404	C-3	Q832	D-5				
D302	L-6	FL803	D-6	Q3	R-5	Q405	A-3	Q836	E-5	S301	M-6		
D303	N-1			Q4	P-6	Q406	A-4	Q837	C-5				
D304	P-7	IC1	Q-5	Q5	R-6	Q407	A-4	Q838	E-5	T501	G-3		
D305	N-5	IC2	Q-6	Q6	R-6	Q408	C-4	Q839	F-5				
D306	M-4	IC3	R-2	Q7	R-6	Q409	C-4	Q842	N-7	TP1	Q-5		
D401	C-4	IC4	Q-2	Q8	Q-6	Q410	A-3	Q843	E-6	TP2	R-5		
D402	C-4	IC5	P-1	Q9	R-7	Q411	B-3			TP4	R-5		
D403	A-4	IC6	N-1	Q10	Q-4	Q412	B-3	RV1	Q-6	TP5	R-3		
D404	A-4	IC7	N-2	Q11	Q-4	Q501	M-6	RV2	Q-6	TP6	R-2		
D501	H-1	IC8	N-3	Q12	Q-4	Q506	K-7	RV3	R-6	TP7	R-2		
D502	F-1	IC9	L-3	Q13	R-4	Q507	J-7	RV4	R-5	TP8	P-1		
D505	G-3	IC10	K-3	Q14	R-3	Q508	H-4	RV5	Q-6	TP9	L-2		
D506	F-7	IC12	B-2	Q15	R-6	Q509	H-6	RV8	R-3	TP10	A-1		
D513	D-3	IC201	J-1	Q16	R-3	Q510	H-6	RV9	R-1	TP11	B-2		
D514	E-2	IC202	K-1	Q17	R-2	Q511	H-7	RV10	R-2	TP13	N-4		
D515	E-2	IC203	L-1	Q18	R-1	Q512	E-5	RV11	M-2	TP14	M-3		
D516	E-2	IC204	K-2	Q19	R-1	Q513	E-6	RV12	M-2	TP15	D-2		
D517	E-2	IC251	Q-3	Q20	Q-1	Q514	E-5	RV13	K-3	TP17	R-5		
D519	E-4	IC301	N-5	Q21	N-3	Q520	G-6	RV15	C-2	TP18	R-5		
D801	E-2	IC302	L-5	Q22	M-2	Q521	F-2	RV16	M-1	TP201	L-1		
D802	G-2	IC303	M-5	Q23	P-3	Q522	J-4	RV17	R-5	TP202	J-2		
D803	G-2	IC304	N-4	Q24	N-4	Q523	F-2	RV201	K-2	TP251	Q-3		
D804	C-5	IC401	B-2	Q25	K-3	Q524	J-1	RV251	R-3	TP301	M-5		
D805	C-5	IC402	C-3	Q26	K-3	Q525	F-4	RV301	M-5	TP401	B-3		
D806	C-5	IC403	A-3	Q27	K-3	Q526	F-3	RV401	C-3	TP402	C-3		
D810	D-4	IC404	A-5	Q28	K-3	Q527	F-3	RV402	C-3	TP403	A-7		
D811	N-5	IC405	A-7	Q29	K-3	Q528	F-6	RV403	B-4	TP404	B-7		
D812	N-5	IC406	A-6	Q30	J-3	Q529	F-6	RV501	K-7	TP501	K-7		
D813	K-5	IC407	A-6	Q31	J-3	Q530	F-6	RV503	K-7	TP502	K-7		
D814	J-4	IC408	B-4	Q32	Q-2	Q532	F-4	RV504	C-6	TP503	J-7		
D815	J-4	IC502	M-6	Q33	Q-2	Q544	D-4	RV505	G-1	TP504	C-6		
D816	E-4	IC503	K-6	Q34	C-1	Q545	E-3	RV506	D-1	TP505	H-1		
		IC504	J-6	Q35	B-1	Q546	D-2	RV507	D-2	TP506	F-1		
DL1	R-3	IC505	K-7	Q36	D-1	Q547	D-2	RV508	E-1	TP507	D-2		
DL2	R-3	IC506	D-6	Q37	N-2	Q548	D-2	RV509	E-1	TP508	F-1		
DL802	L-6	IC507	E-2	Q38	C-2	Q801	Q-7	RV510	D-1	TP509	F-1		
		IC508	E-1	Q39	D-2	Q802	Q-7	RV511	E-1	TP511	L-6		
E1	R-4	IC509	H-3	Q101	N-1	Q803	R-7	RV513	H-6	TP513	J-4		
E2	R-1	IC510	G-6	Q102	M-1	Q804	Q-4	RV514	H-7	TP514	F-5		
E201	L-2	IC511	G-2	Q103	M-1	Q805	M-4	RV516	G-6	TP515	G-5		
E301	L-4	IC512	G-5	Q104	P-4	Q806	J-2	RV517	J-3	TP516	G-5		
E401	A-2	IC513	E-6	Q105	P-5	Q807	K-4	RV518	G-3	TP517	F-5		
E402	A-4	IC515	L-4	Q201	J-2	Q808	K-4	RV519	G-6	TP518	F-5		
E501	G-7	IC516	E-4	Q202	L-2	Q809	M-5	RV521	D-4	TP523	E-3		

17-17(a)



17-18(a)

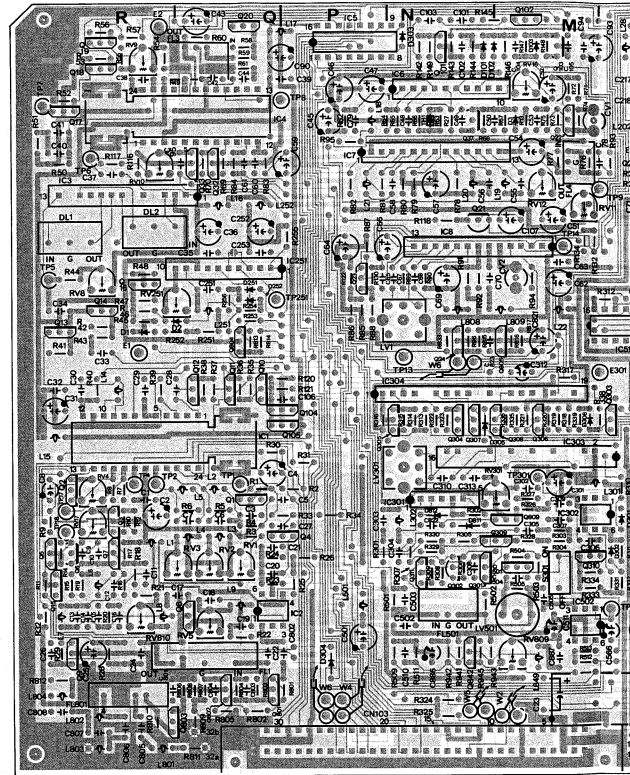


DM-55 —COMPONENT SIDE—  
1-622-743-11(1)  
RV1-600P

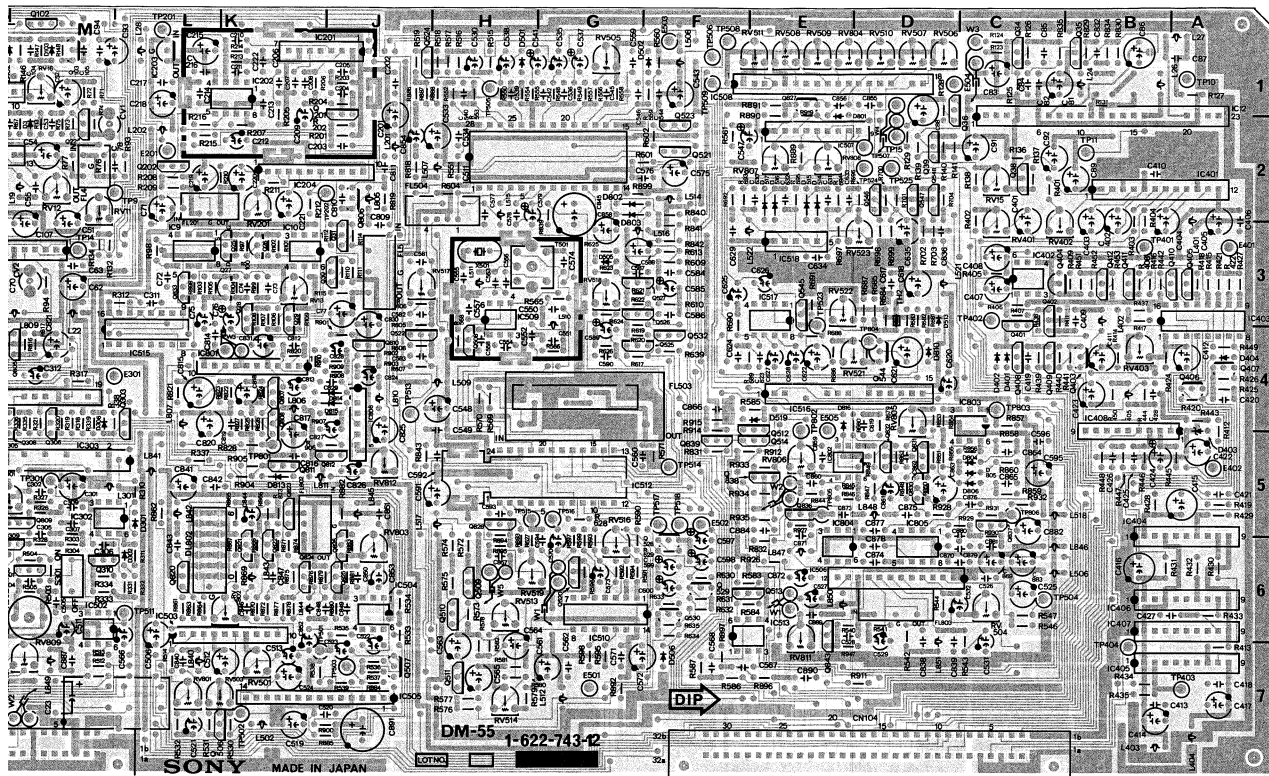
DM-55 (1-622-743-12)

CN103	D-7	E502	D-1	IC517	E-3	Q301	N-6	Q810	J-4	RV522	E-3	TP524	D-2
CN104	N-7	E503	F-1	IC518	E-3	Q302	N-6	Q811	K-5	RV523	D-3	TP525	D-2
		E504	F-5	IC801	K-4	Q303	L-4	Q812	J-5	RV801	L-7	TP801	K-5
CV1	M-2	E505	E-4	IC802	E-5	Q304	N-4	Q820	L-6	RV802	K-6	TP802	E-4
CV2	M-3			IC803	C-4	Q305	N-4	Q821	K-6	RV803	J-6	TP803	C-4
		FL1	Q-7	IC804	E-6	Q306	M-4	Q822	K-6	RV804	E-4	TP804	D-4
D1	R-4	FL3	Q-1	IC805	D-6	Q307	N-4	Q823	K-5	RV805	D-1	TP805	E-5
D2	R-4	FL4	M-2	IC806	J-4	Q308	M-4	Q824	K-6	RV806	E-5	TP806	C-5
D3	M-2	FL5	J-3			Q309	M-6	Q825	J-6	RV807	E-2		
D101	N-1	FL201	L-2	LV1	N-4	Q310	M-6	Q826	J-6	RV808	E-2	X501	H-3
D102	N-1	FL501	N-6	LV301	N-5	Q311	N-6	Q827	E-1	RV809	M-7		
D103	M-1	FL503	G-4	LV501	M-6	Q401	C-4	Q828	H-5	RV810	R-6		
D251	Q-3	FL504	H-2			Q402	C-3	Q830	D-5	RV811	E-7		
D252	Q-3	FL801	R-7	Q1	Q-5	Q403	B-4	Q831	D-5	RV812	J-5		
D301	L-5	FL802	K-5	Q2	R-5	Q404	C-3	Q832	D-5				
D302	L-6	FL803	D-6	Q3	R-5	Q405	A-3	Q836	E-5	S301	M-6		
D303	N-1			Q4	P-6	Q406	A-4	Q837	C-5				
D304	P-7	IC1	Q-5	Q5	R-6	Q407	A-4	Q838	E-5	T501	G-3		
D305	N-5	IC2	Q-6	Q6	R-6	Q408	C-4	Q839	F-5				
D306	M-4	IC3	R-2	Q7	R-6	Q409	C-4	Q842	N-7				
D401	C-4	IC4	Q-2	Q8	Q-6	Q410	A-3	Q843	E-6	TP1	Q-5		
D402	C-4	IC5	P-1	Q9	R-7	Q411	B-3			TP2	R-5		
D403	A-4	IC6	N-1	Q10	Q-4	Q412	B-3	RV1	Q-6	TP3	R-5		
D404	A-4	IC7	N-2	Q11	Q-4	Q501	M-6	RV2	Q-6	TP4	R-5		
D501	H-1	IC8	N-3	Q12	Q-4	Q506	K-7	RV3	R-6	TP5	R-2		
D502	F-1	IC9	L-3	Q13	R-4	Q507	J-7	RV4	R-5	TP6	R-2		
D505	G-3	IC10	K-3	Q14	R-3	Q508	H-4	RV5	Q-6	TP7	R-2		
D506	F-7	IC12	B-2	Q15	R-6	Q509	H-6	RV8	R-3	TP8	P-1		
D513	D-3	IC201	J-1	Q16	R-3	Q510	H-6	RV9	R-1	TP9	L-2		
D514	E-2	IC202	K-1	Q17	R-2	Q511	H-7	RV10	R-2	TP10	A-1		
D515	E-2	IC203	L-1	Q18	R-1	Q512	E-5	RV11	M-2	TP11	B-2		
D516	E-2	IC204	K-2	Q19	R-1	Q513	E-6	RV12	M-2	TP12	N-4		
D517	E-2	IC251	Q-3	Q20	Q-1	Q514	E-5	RV13	K-3	TP13	M-3		
D519	E-4	IC301	N-5	Q21	N-3	Q520	G-6	RV15	C-2	TP15	D-2		
D801	E-2	IC302	L-5	Q22	M-2	Q521	F-2	RV16	M-1	TP17	R-5		
D802	G-2	IC303	M-5	Q23	P-3	Q522	J-4	RV17	R-5	TP18	R-5		
D803	G-2	IC304	N-4	Q24	N-4	Q523	F-2	RV201	K-2	TP201	L-1		
D804	C-5	IC401	B-2	Q25	K-3	Q524	J-1	RV251	R-3	TP202	J-2		
D805	C-5	IC402	C-3	Q26	K-3	Q525	F-4	RV301	M-5	TP501	M-5		
D806	C-5	IC403	A-3	Q27	K-3	Q526	F-3	RV401	C-3	TP501	M-5		
D810	D-4	IC404	A-5	Q28	K-3	Q527	F-3	RV402	C-3	TP402	C-3		
D811	N-5	IC405	A-7	Q29	K-3	Q528	F-6	RV403	B-4	TP403	A-7		
D812	N-5	IC406	A-6	Q30	J-3	Q529	F-6	RV501	K-7	TP404	B-7		
D813	K-5	IC407	A-6	Q31	J-3	Q530	F-6	RV503	K-7	TP501	K-7		
D814	J-4	IC408	B-4	Q32	Q-2	Q532	F-4	RV504	C-6	TP503	J-7		
D815	J-4	IC502	M-6	Q33	Q-2	Q544	D-4	RV505	G-1	TP504	C-6		
D816	E-4	IC503	K-6	Q34	C-1	Q545	E-3	RV506	D-1	TP505	H-1		
		IC504	J-6	Q35	B-1	Q546	D-2	RV507	D-2	TP506	F-1		
		IC505	K-7	Q36	D-1	Q547	D-2	RV508	E-1	TP507	D-2		
DL1	R-3	IC506	D-6	Q37	N-2	Q548	D-2	RV509	E-1	TP508	F-1		
DL2	R-3	IC507	E-2	Q38	C-2	Q801	Q-7	RV510	D-1	TP509	F-1		
DL802	L-6	IC508	E-1	Q39	D-2	Q802	Q-7	RV511	E-1	TP511	L-6		
		IC509	H-3	Q101	N-1	Q803	R-7	RV513	H-6	TP513	J-4		
E1	R-4	IC510	G-6	Q102	M-1	Q804	Q-4	RV514	H-7	TP514	F-5		
E2	R-1	IC511	G-2	Q103	M-1	Q805	M-4	RV516	G-6	TP515	G-5		
E201	L-2	IC512	G-5	Q104	P-4	Q806	J-2	RV517	J-3	TP516	G-5		
E301	L-4	IC513	E-6	Q105	P-5	Q807	K-4	RV518	G-3	TP517	F-5		
E401	A-2	IC514	L-4	Q201	J-2	Q808	K-4	RV519	G-6	TP518	F-5		
E402	A-4	IC515	E-4	Q202	L-2	Q809	M-5	RV521	D-4	TP523	E-3		

17-17(b)



17-18(b)

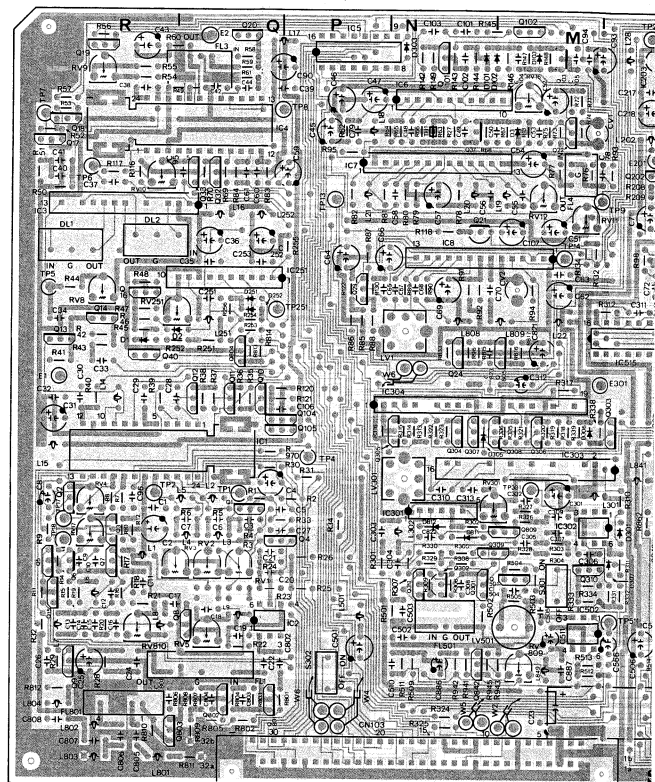




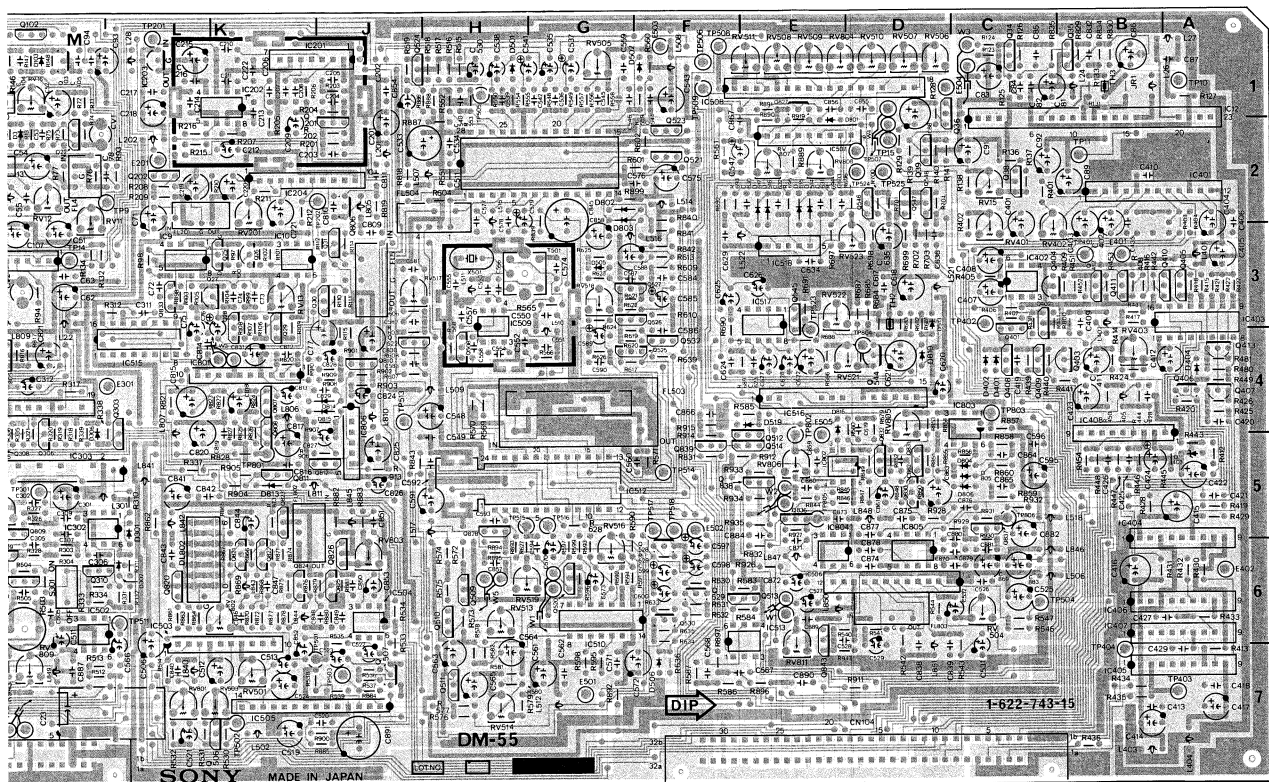
DM-55 (1-622-743-13,14,15)

CN103	N-7	E503	F-1	IC518	E-3	Q301	N-6	Q810	J-4	RV521	D-4	TP523	E-3
CN104	D-7	E504	D-1	IC801	K-4	Q302	N-6	Q811	K-5	RV522	E-3	TP524	D-2
		E505	E-5	IC802	E-5	Q303	L-4	Q812	J-5	RV523	D-3	TP525	D-2
CV1	M-2			IC803	C-4	Q304	N-4	Q820	L-6	RV801	L-7	TP801	K-5
CV2	M-3			IC804	E-6	Q305	N-4	Q821	K-6	RV802	K-6	TP802	E-4
				IC805	D-6	Q306	M-4	Q822	K-6	RV803	J-6	TP803	C-4
				IC806	J-4	Q307	N-4	Q823	K-5	RV804	E-1	TP804	D-4
D1	R-4	FL1	Q-7					Q824	K-6	RV805	D-4	TP805	E-4
D2	R-4	FL5	J-3					Q825	J-6	RV806	E-5	TP806	C-5
D3	M-2	FL201	L-2	LV1	N-4	Q309	N-6	Q826	J-6	RV807	E-2		
D101	N-1	FL501	N-6	LV301	N-5	Q310	M-6	Q827	E-1	RV808	E-2		
D102	N-1	FL503	G-4	LV501	M-5	Q311	N-6	Q828	H-5	RV809	M-7		
D103	M-1	FL504	H-2			Q401	C-4	Q830	D-5	RV810	R-6		
D251	Q-3	FL801	R-7			Q402	C-3	Q831	D-5	RV811	E-7		
D252	Q-3	FL802	K-5	Q1	Q-5	Q403	B-4						
D301	L-5	FL803	D-6	Q2	Q-5	Q404	C-3	Q832	D-5				
D302	L-6			Q3	Q-5	Q405	A-3	Q833	L-3	S301	M-6		
D303	N-1	IC1	Q-5	Q5	R-6	Q406	A-4	Q836	E-5	S302	P-7		
D305	N-5	IC2	Q-6	Q6	R-6	Q407	A-4	Q837	C-5				
D306	M-4	IC3	R-2	Q7	R-6	Q408	C-4	Q838	E-5	T501	G-3		
D401	C-4	IC4	Q-2	Q8	Q-6	Q409	C-4	Q839	F-5				
D402	C-4	IC5	P-1	Q9	R-7	Q410	A-3	Q842	N-7	TP1	P-5		
D403	A-4	IC6	N-1	Q10	Q-4	Q411	B-3	Q843	E-6	TP2	R-5		
D404	A-4	IC7	N-2	Q11	Q-4	Q412	B-3			TP3	R-3		
D501	H-1	IC8	N-3	Q12	R-4	Q501	M-6	RV1	Q-6	TP6	R-2		
D502	F-1	IC9	L-3	Q13	R-4	Q506	K-7	RV2	Q-6	TP7	R-1		
D505	G-3	IC10	K-3	Q14	R-3	Q507	J-7	RV3	R-6	TP8	P-1		
D506	F-7	IC12	B-2	Q15	R-6	Q508	H-4	RV4	R-5	TP9	L-2		
D513	D-3	IC201	J-1	Q16	R-3	Q509	H-6	RV5	Q-6	TP10	A-1		
D514	E-2	IC202	K-1	Q17	R-1	Q510	H-6	RV6	R-3	TP11	B-2		
D515	E-2	IC203	L-1	Q18	R-1	Q511	H-7	RV9	R-1	TP12	P-2		
D516	E-2	IC204	K-2	Q19	R-1	Q512	E-5	RV10	R-2	TP13	P-2		
D517	E-2	IC251	Q-3	Q20	Q-1	Q513	E-6	RV11	M-2	TP14	M-3		
D519	E-4	IC301	N-5	Q21	N-3	Q514	E-5	RV12	M-2	TP15	D-2		
D801	E-2	IC302	M-5	Q22	M-2	Q520	G-6	RV13	K-3	TP17	R-5		
D802	G-2	IC303	M-5	Q23	P-3	Q521	F-2	RV15	C-2	TP18	R-5		
D803	G-2	IC304	N-4	Q24	N-4	Q522	J-4	RV16	M-1	TP201	L-1		
D805	C-5	IC401	B-2	Q25	K-3	Q523	F-2	RV17	R-5	TP202	J-2		
D806	C-5	IC402	C-3	Q26	K-3	Q524	J-1	RV201	K-2	TP251	Q-3		
D807	C-5	IC403	A-3	Q27	K-3	Q525	F-4	RV251	R-3	TP301	M-5		
D810	D-4	IC404	A-5	Q28	K-3	Q526	F-3	RV301	N-5	TP401	B-3		
D811	N-5	IC405	A-7	Q29	K-3	Q527	F-3	RV401	C-3	TP402	C-3		
D812	N-5	IC406	A-6	Q30	J-3	Q528	F-6	RV402	C-3	TP403	A-7		
D813	K-5	IC407	A-6	Q31	J-3	Q529	F-6	RV403	B-4	TP404	B-7		
D814	J-4	IC408	B-4	Q32	Q-2	Q530	F-6	RV501	K-7	TP501	K-7		
D815	J-4	IC502	M-6	Q33	Q-2	Q532	F-4	RV503	K-7	TP502	K-7		
D816	E-4	IC503	K-6	Q34	C-1	Q544	D-4	RV504	C-6	TP503	J-7		
DL1	R-3	IC504	J-6	Q35	B-1	Q545	E-3	RV505	G-1	TP504	C-6		
DL2	R-3	IC505	K-7	Q36	D-1	Q546	D-2	RV506	D-1	TP505	H-1		
DL802	L-6	IC506	D-6	Q37	N-2	Q547	D-2	RV507	D-1	TP506	F-1		
		IC507	E-2	Q38	C-2	Q548	D-2	RV508	E-1	TP507	D-2		
		IC508	E-1	Q39	D-2	Q801	Q-7	RV509	E-1	TP508	F-1		
E1	R-4	IC509	H-3	Q40	R-4	Q802	Q-7	RV510	D-1	TP509	F-1		
E2	R-1	IC510	G-6	Q101	N-1	Q803	R-7	RV511	E-1	TP511	L-6		
E201	L-2	IC511	G-2	Q102	M-1	Q804	R-4	RV513	H-6	TP513	J-4		
E301	L-4	IC512	G-5	Q103	M-1	Q805	M-4	RV514	H-7	TP514	F-5		
E401	B-3	IC513	E-6	Q104	P-4	Q806	J-2	RV516	G-6	TP515	H-5		
E402	A-6	IC515	L-4	Q105	F-5	Q807	K-4	RV517	J-3	TP516	G-5		
E501	G-7	IC516	E-4	Q201	J-1	Q808	K-4	RV518	G-3	TP517	F-5		
E502	F-5	IC517	E-3	Q202	L-2	Q809	M-5	RV519	H-6	TP518	F-5		

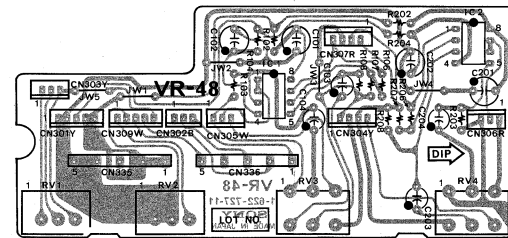
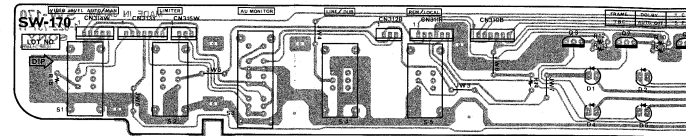
17-17(c)



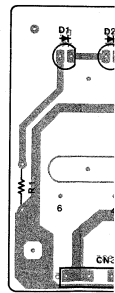
17-18(c)



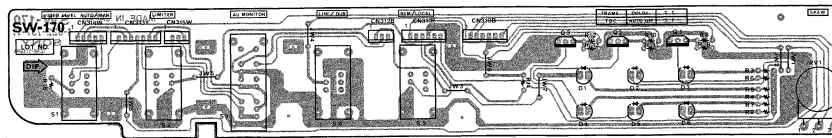
SW-170; SELECT SWITCH/WARNING INDICATOR  
VR-48; VIDEO/AUDIO/TRACKING LEVEL CONTROL  
MT-28; VIDEO/AUDIO/LEVEL METER



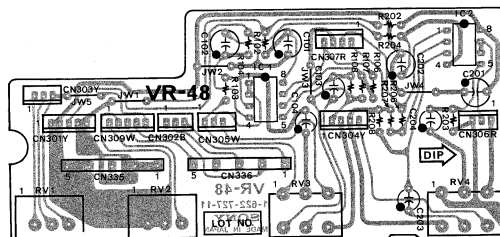
**VR-48** —COMPONENT SIDE—  
1-622-727-11, 12(1)  
BVU-950  
BVU-950P



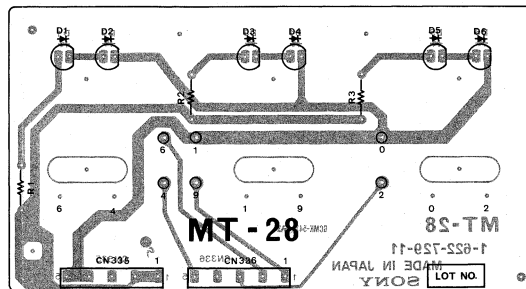
SW-170: SELECT SWITCH/WARNING INDICATOR  
VR-48: VIDEO/AUDIO/TRACKING LEVEL CONTROL  
MT-28: VIDEO/AUDIO/LEVEL METER



SW-170 —COMPONENT SIDE—  
1-622-737-1(1)  
BVU-950  
BVU-950P



VR-48 —COMPONENT SIDE—  
1-622-727-1, 12(1)  
BVU-950  
BVU-950P



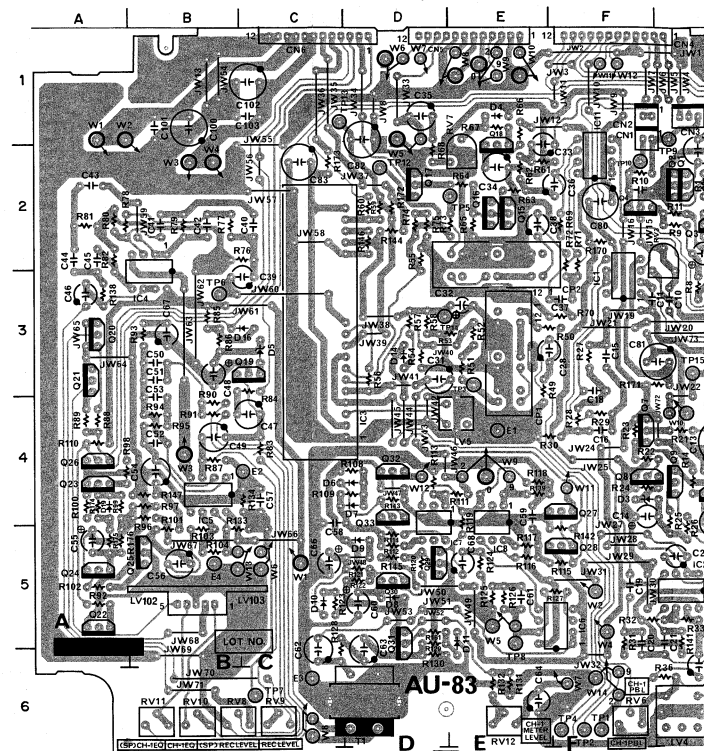
MT-28 —COMPONENT SIDE—  
1-622-759-1(1)  
BVU-950  
BVU-950P

AU-83A; CH-1 REC/PB /DOLBY PROCESSOR  
DUS-71; VARIABLE COIL

S/N UP TO 11280(EK)

AU-83A (1-622-700-11)

CN1	F-1	Q11	G-5
CN2	F-1	Q14	G-2
CN3	G-1	Q15	E-2
CN4	F-1	Q16	E-2
CN5	E-1	Q17	D-2
CN6	C-1	Q18	E-1
		Q19	C-3
CP1	E-3	Q20	A-3
CP2	E-2	Q21	A-3
		Q22	A-5
D1	G-2	Q23	A-4
D2	G-2	Q24	A-5
D3	F-4	Q25	B-5
D4	E-1	Q26	A-4
D5	C-3	Q27	F-4
D6	D-4	Q28	F-5
D7	D-4	Q29	D-5
D8	D-5	Q30	D-5
D9	D-5	Q31	D-5
D10	C-5	Q32	D-4
D11	E-5	Q33	D-4
D14	D-3		
D15	G-3	RV1	G-5
D16	C-3	RV2	G-5
D19	A-4	RV3	G-2
		RV4	G-3
E1	E-4	RV5	G-6
E2	C-4	RV6	F-6
E3	C-6	RV7	E-2
E4	B-5	RV8	B-6
		RV9	C-6
IC1	F-3	RV10	B-6
IC2	G-5	RV11	B-6
IC3	C-3	RV12	E-6
IC4	B-2		
IC5	B-4	T1	D-6
IC6	F-5		
IC7	D-5	TP1	F-6
IC8	E-5	TP2	F-6
IC11	F-2	TP3	E-3
		TP4	F-6
LV1	G-1	TP5	E-2
LV2	G-4	TP6	B-3
LV3	G-3	TP7	C-6
LV4	G-6	TP8	E-5
LV5	E-4	TP9	G-1
LV102	B-5	TP10	F-2
LV103	B-5	TP11	G-1
		TP12	D-2
Q1	G-2	TP13	C-1
Q2	G-2	TP14	D-3
Q3	G-2	TP15	G-3
Q4	F-2		
Q5	G-4		
Q6	G-4		
Q7	F-4		
Q8	F-4		
Q9	G-4		
Q10	G-5		



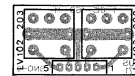
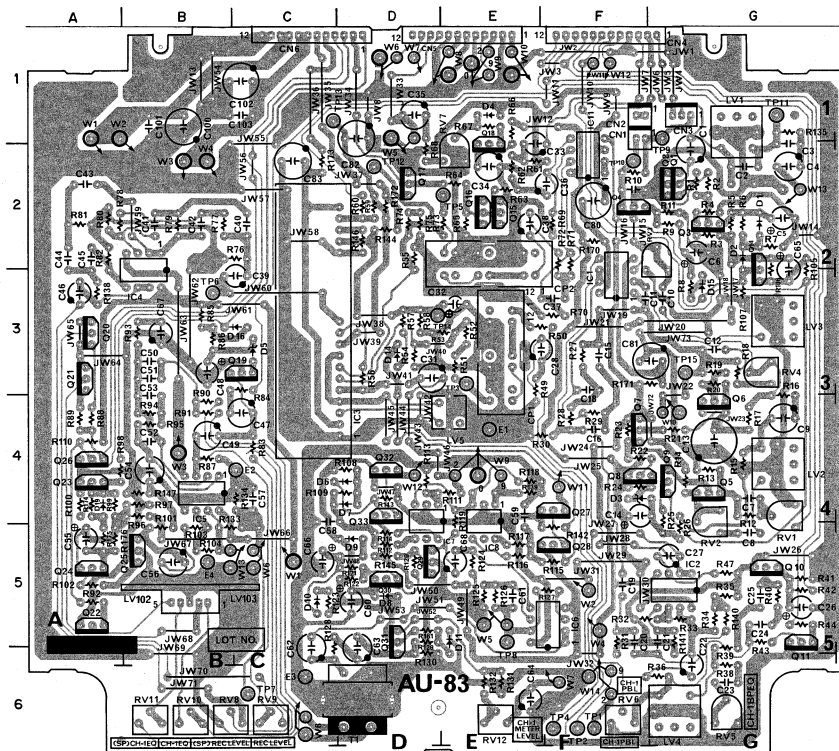
AU-83A: CH-1 REC/PB /DOLBY PROCESSOR  
DUS-71: VARIABLE COIL

S/N UP TO 11280(EK)

G5  
G2  
E2  
E2  
D2  
E1  
C3  
A3  
A5  
A4  
A5  
B5  
A4  
F4  
F5  
D5  
D5  
D4  
D4

G5  
G5  
G2  
G3  
G6  
F6  
E2  
B6  
C6  
B6  
B6  
E6

D6  
F6  
F6  
E3  
F6  
E2  
B3  
C6  
E5  
G1  
F2  
G1  
D2  
C1  
D3  
G3



**DUS-71** —COMPONENT SIDE—  
1-615168-1 (1)  
BVU-850  
BVU-850P

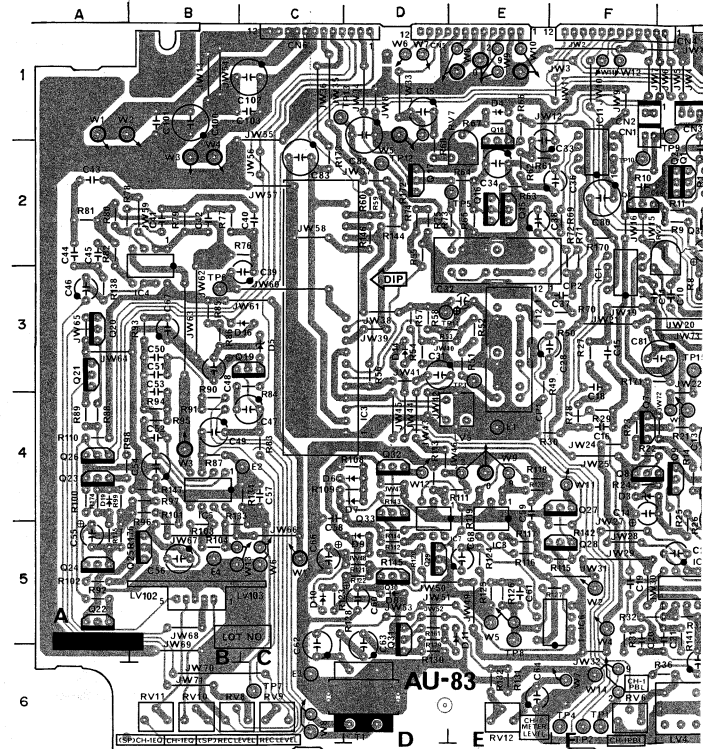
**AU-83/A** —COMPONENT SIDE—  
1-622700-1 (1)  
BVU-850  
BVU-850P

AU-83A: CH-1 REC/PB /DOLBY PROCESSOR  
DUS-71: VARIABLE COIL

S/N 11281 TO 12080 (EK)

AU-83A(1-622-700-12)

CN1	F-1	Q11	G-5
CN2	F-1	Q14	G-2
CN3	G-1	Q15	E-2
CN4	F-1	Q16	E-2
CN5	E-1	Q17	D-2
CN6	C-1	Q19	C-3
CP1	E-3	Q20	A-3
CP2	E-2	Q21	A-3
		Q22	A-5
D1	G-2	Q23	A-4
D2	G-2	Q24	A-5
D3	F-4	Q25	B-5
D4	E-1	Q26	A-4
D5	C-3	Q27	F-4
D6	D-4	Q28	F-5
D7	D-4	Q29	D-5
D8	D-5	Q30	D-5
D9	D-5	Q31	D-5
D10	C-5	Q32	D-4
D11	E-5	Q33	D-4
D14	D-3		
D15	G-3	RV1	G-5
D16	C-3	RV2	G-5
D19	A-4	RV3	G-2
		RV4	G-3
E1	E-4	RV5	G-6
E2	C-4	RV6	F-6
E3	C-6	RV7	E-2
E4	B-5	RV8	B-6
		RV9	C-6
IC1	F-3	RV10	B-6
IC2	G-5	RV11	B-6
IC3	C-3	RV12	E-6
IC4	B-2		
IC5	B-4	T1	D-6
IC6	F-5		
IC7	D-5	TP1	F-6
IC8	E-5	TP2	F-6
IC11	F-2	TP3	E-3
		TP4	F-6
LV1	G-1	TP5	E-2
LV2	G-4	TP6	B-3
LV3	G-3	TP7	C-6
LV4	G-6	TP8	E-5
LV5	E-4	TP9	G-1
LV102	B-5	TP10	F-2
LV103	B-5	TP11	G-1
		TP12	D-2
Q1	G-2	TP13	C-1
Q2	G-2	TP14	D-3
Q3	G-2	TP15	G-3
Q4	F-2		
Q5	G-4		
Q6	G-4		
Q7	F-4		
Q8	F-4		
Q9	G-4		
Q10	G-5		



AU-83A: CH-1 REC/PB /DOLBY PROCESSOR  
DUS-71: VARIABLE COIL

S/N 11281 TO 12080 (EK)

G-5  
G-2  
E-2  
E-1  
C-3  
A-3  
A-5  
A-4  
A-5  
B-5  
A-4  
F-5  
D-5  
D-5  
D-4  
D-4

G-5  
G-5  
G-2  
G-6  
F-6  
E-2  
B-6  
C-6  
B-6  
B-6  
E-6

D-6

F-6

E-3

F-6

E-2

C-6

G-1

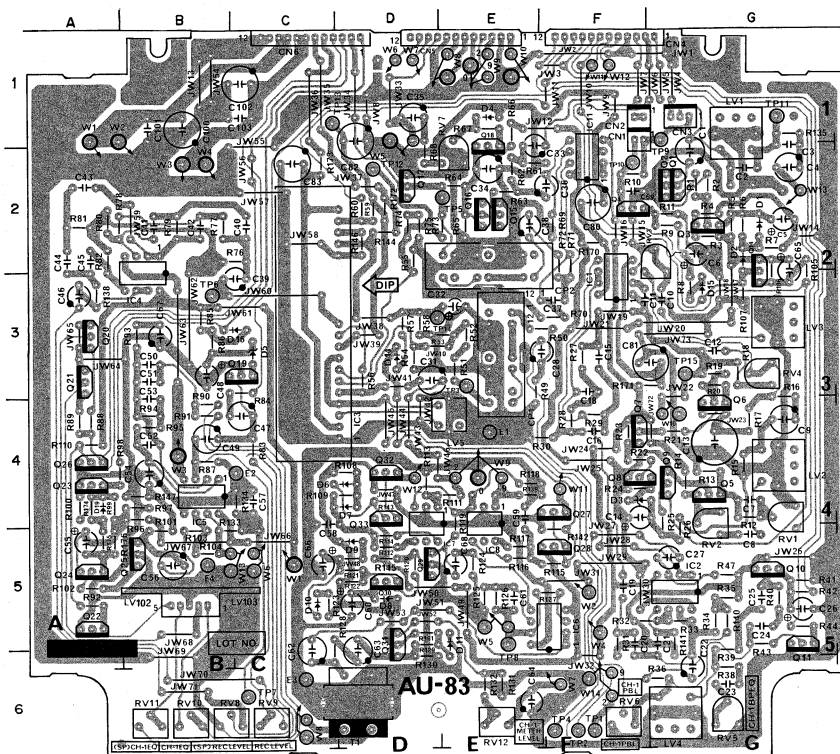
F-2

D-2

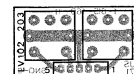
C-1

D-3

G-3



AU-83/A - COMPONENT SIDE -  
1-622-700-1 (21)  
BVU-950  
BVU-950P



DUS-71 - COMPONENT SIDE -  
1-615-160-1 (11)  
BVU-950  
BVU-950P

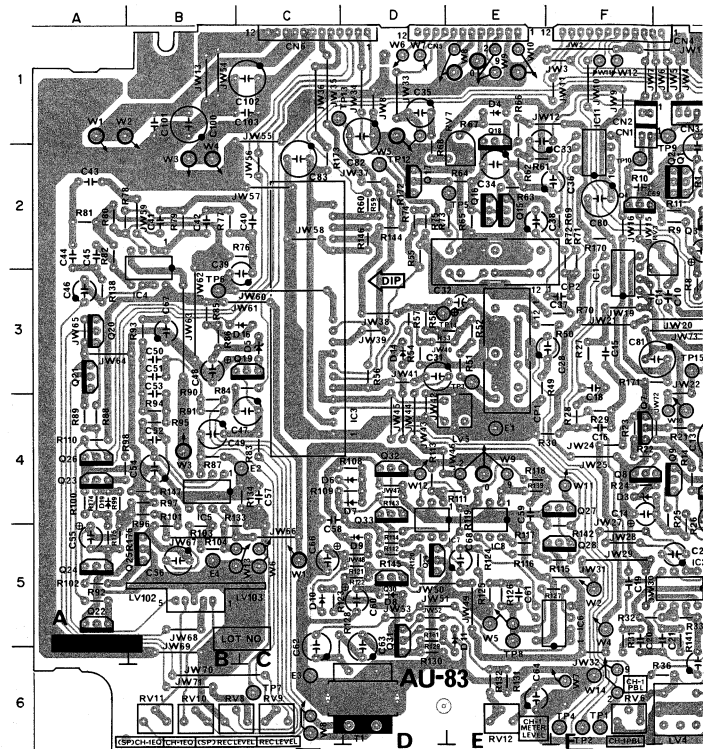


AU-83A: CH-1 REC/PB/DOLBY PROCESSOR  
DUS-71: VARIABLE COIL

S/N 12081 AND HIGHER (EK)

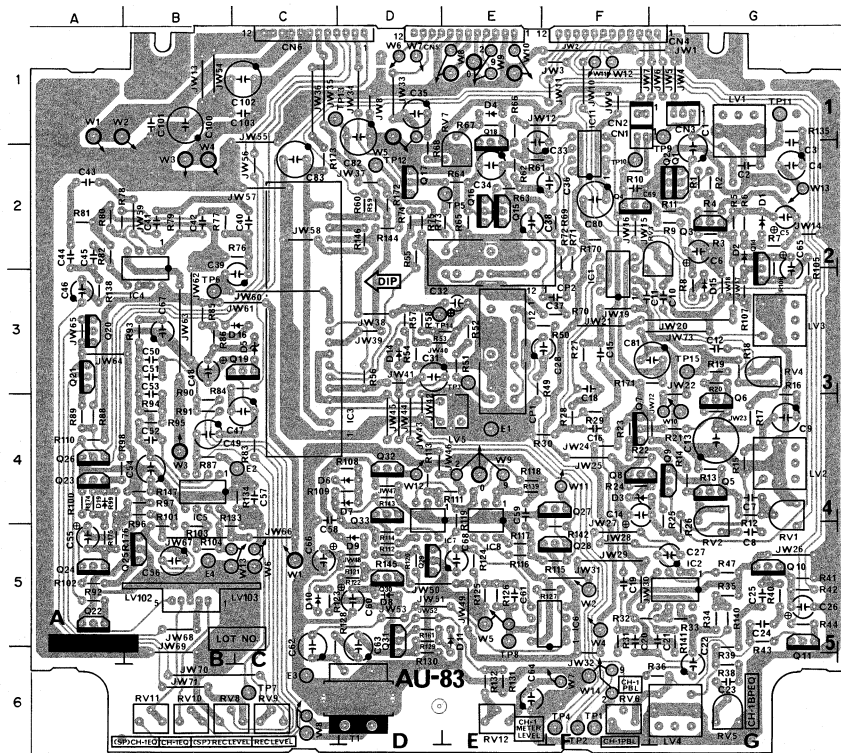
AU-83A(1-622-700-13)

CN1	F.1	Q11	G.5
CN2	F.1	Q14	G.2
CN3	G.1	Q15	E.2
CN4	F.1	Q16	E.2
CN5	E.1	Q17	D.2
CN6	C.1	Q18	E.2
		Q19	C.3
CP1	E.3	Q20	A.3
CP2	E.2	Q21	A.3
		Q22	A.5
D1	G.2	Q23	A.3
D2	G.2	Q24	A.5
D3	F.4	Q25	B.5
D4	E.1	Q26	A.4
D5	C.3	Q27	F.4
D6	D.4	Q28	F.5
D7	D.4	Q29	D.5
D8	D.5	Q30	D.5
D9	D.5	Q31	D.5
D10	C.5	Q32	D.4
D11	E.5	Q33	D.4
D14	D.3		
D15	G.3	RV1	G.4
D16	C.3	RV2	G.5
D19	A.4	RV3	G.2
		RV4	G.3
E1	E.4	RV5	G.6
E2	C.4	RV6	F.6
E3	C.6	RV7	E.2
E4	B.5	RV8	B.6
		RV9	C.6
IC1	F.3	RV10	B.6
IC2	G.5	RV11	B.6
IC3	C.3	RV12	E.6
IC4	B.3		
IC5	B.4	T1	D.6
IC6	F.5		
IC7	D.5	TP1	F.6
IC8	E.5	TP2	F.6
IC11	F.2	TP3	E.3
		TP4	F.6
LV1	G.1	TP5	E.2
LV2	G.4	TP6	B.3
LV3	G.3	TP7	C.6
LV4	G.6	TP8	E.5
LV5	E.4	TP9	G.1
RV102	B.5	TP10	F.2
LV103	B.5	TP11	G.1
		TP12	D.2
Q1	G.2	TP13	C.1
Q2	G.2	TP14	D.3
Q3	G.2	TP15	G.3
Q4	F.2		
Q5	G.4		
Q6	G.4		
Q7	F.4		
Q8	F.4		
Q9	G.4		
Q10	G.5		

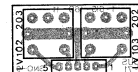


AU-83A; CH-1 REC/PB/DOLBY PROCESSOR  
DUS-71; VARIABLE COIL

S/N 12081 AND HIGHER (EK)



AU-83/A —COMPONENT SIDE—  
1-622-700-13(1)  
BVU-950  
BVU-950P



DUS-71 —COMPONENT SIDE—  
1-615-10-11, 12(1)  
BVU-950  
BVU-950P

AU-84A; CH-2 REC/PB AMPLIFIER

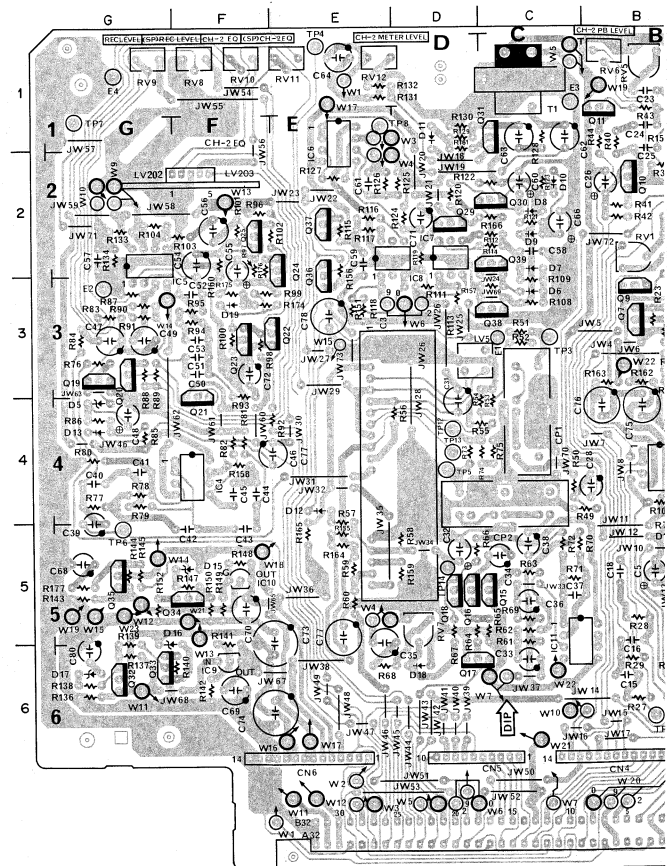
DUS-71; VARIABLE COIL

HN-77; JUNCTION BOARD

S/N UP TO 11280(EK)

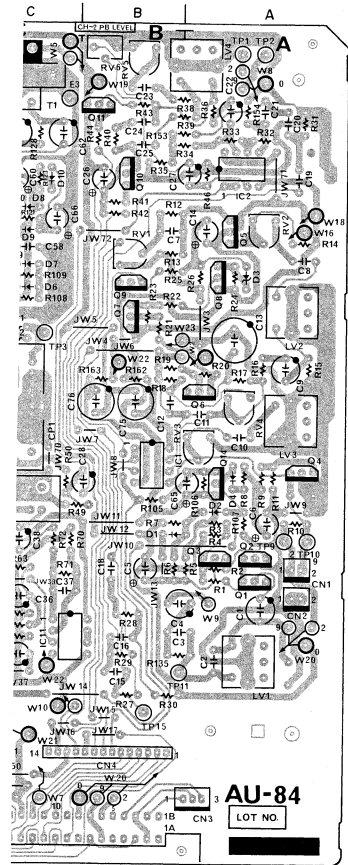
AU-84A (1-622-701-11)

CN1	A-5	Q7	B-3
CN2	A-5	Q8	A-3
CN3	A-6	Q9	B-3
CN4	B-6	Q10	B-2
CN5	D-6	Q11	B-1
CN6	E-6	Q14	A-4
		Q15	C-5
CP1	C-4	Q16	D-5
CP2	C-4	Q17	D-6
		Q18	D-5
D1	B-5	Q19	G-3
D2	A-4	Q20	G-3
D3	A-3	Q21	F-4
D4	A-4	Q22	F-3
D5	G-4	Q23	F-3
D6	C-3	Q24	E-2
D7	C-2	Q25	F-2
D8	C-2	Q29	D-2
D9	C-2	Q30	C-2
D10	C-2	Q31	C-1
D11	D-1	Q32	G-6
D12	E-4	Q33	G-6
D13	G-4	Q34	F-5
D15	F-5	Q35	G-5
D16	G-5	Q36	E-2
D17	G-6	Q37	E-2
D18	D-6	Q38	C-3
D19	F-3	Q39	C-2
E1	C-3	RV1	B-2
E2	G-3	RV2	A-2
E3	C-1	RV3	A-4
E4	G-1	RV4	A-4
		RV5	B-1
IC1	B-4	RV6	B-1
IC2	A-2	RV7	D-5
IC3	E-3	RV8	F-1
IC4	F-4	RV9	G-1
IC5	G-2	RV10	F-1
IC6	E-1	RV11	E-1
IC7	D-2	RV12	E-1
IC8	E-2		
IC9	F-6	T1	C-1
IC10	F-5		
IC11	C-6	TP1	A-1
		TP2	A-1
LV1	A-6	TP3	C-3
LV2	A-3	TP4	E-1
LV3	A-4	TP5	D-4
LV4	A-1	TP6	G-5
LV5	D-3	TP7	G-1
LV202	F-2	TP8	E-1
LV203	F-2	TP9	A-5
		TP10	A-5
Q1	A-5	TP11	B-6
Q2	A-5	TP12	D-4
Q3	A-5	TP13	D-4
Q4	A-4	TP14	D-5
Q5	A-2	TP15	B-6
Q6	A-4		



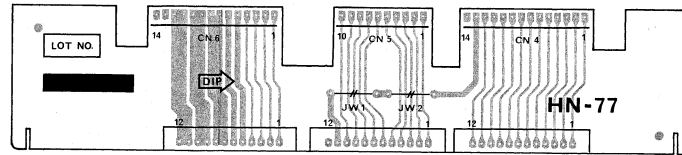
AU-84A,DUS-71,HN-77

AU-84A,DUS-71,HN-77

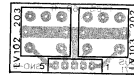


**AU-84/A** —COMPONENT SIDE—  
1-422-701-1(1)  
BVU-950  
BVU-950P

17-39(a)



**HN-77** —COMPONENT SIDE—  
1-422-724-1(1)  
BVU-950  
BVU-950P



**DUS-71** —COMPONENT SIDE—  
1-422-701-1(1)  
BVU-950  
BVU-950P

17-40(a)

AU-84A: CH-2 REC/PB AMPLIFIER

DUS-71: VARIABLE COIL

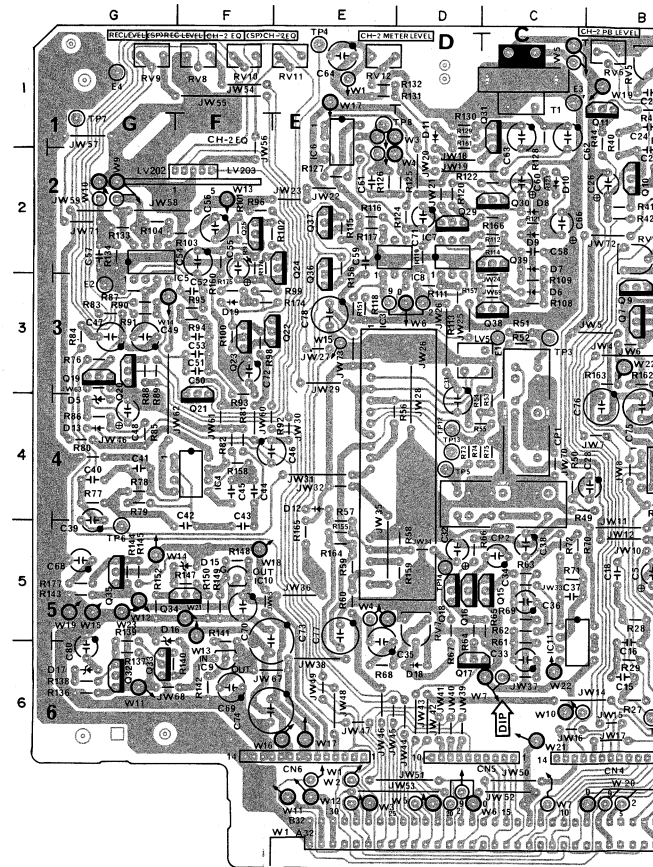
HN-77: JUNCTION BOARD

S/N 11281 TO 12080 (EK)

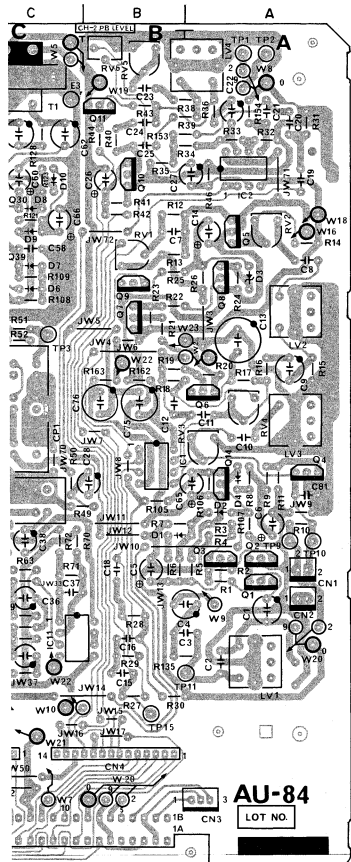
AU-84A(1-622-701-12)

CN1	A-5	Q7	B-3
CN2	A-5	Q8	A-3
CN3	A-6	Q9	B-3
CN4	B-6	Q10	B-2
CN5	D-6	Q11	B-1
CN6	E-6	Q14	A-4
		Q15	C-5
CP1	C-4	Q16	D-5
CP2	C-4	Q17	D-6
		Q18	D-5
D1	B-5	Q19	G-3
D2	A-4	Q20	G-3
D3	A-3	Q21	F-4
D4	A-4	Q22	F-3
D5	G-4	Q23	F-3
D6	C-3	Q24	E-2
D7	C-2	Q25	F-2
D8	C-2	Q29	D-2
D9	C-2	Q30	C-2
D10	C-2	Q31	C-1
D11	D-1	Q32	G-6
D12	E-4	Q33	G-6
D13	G-4	Q34	F-5
D15	F-5	Q35	G-5
D16	G-5	Q36	E-2
D17	G-6	Q37	E-2
D18	D-6	Q38	C-3
D19	F-3	Q39	C-2
E1	C-3	RV1	B-2
E2	G-3	RV2	A-2
E3	C-1	RV3	A-4
E4	G-1	RV4	A-4
		RV5	B-1
IC1	B-4	RV6	B-1
IC2	A-2	RV7	D-5
IC3	E-3	RV8	F-1
IC4	F-4	RV9	G-1
IC5	G-2	RV10	F-1
IC6	E-1	RV11	E-1
IC7	D-2	RV12	E-1
IC8	E-2		
IC9	F-6	T1	C-1
IC10	F-5		
IC11	C-6	TP1	A-1
		TP2	A-1
		TP3	C-3
LV1	A-6	TP4	E-1
LV2	A-3	TP5	D-4
LV3	A-4	TP6	G-5
LV4	A-1	TP6	G-5
LV5	D-3	TP7	G-1
LV202	F-2	TP8	E-1
LV203	F-2	TP9	A-5
		TP10	A-5
Q1	A-5	TP11	B-6
Q2	A-5	TP12	D-4
Q3	A-5	TP13	D-4
Q4	A-4	TP14	D-5
Q5	A-2	TP15	B-6
Q6	A-4		

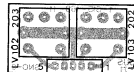
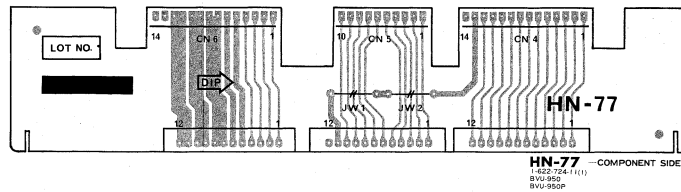
17-37(b)



17-38(b)



**AU-84/A** —COMPONENT SIDE—  
1-622-701-12(1)  
BVU-950  
BVU-950P



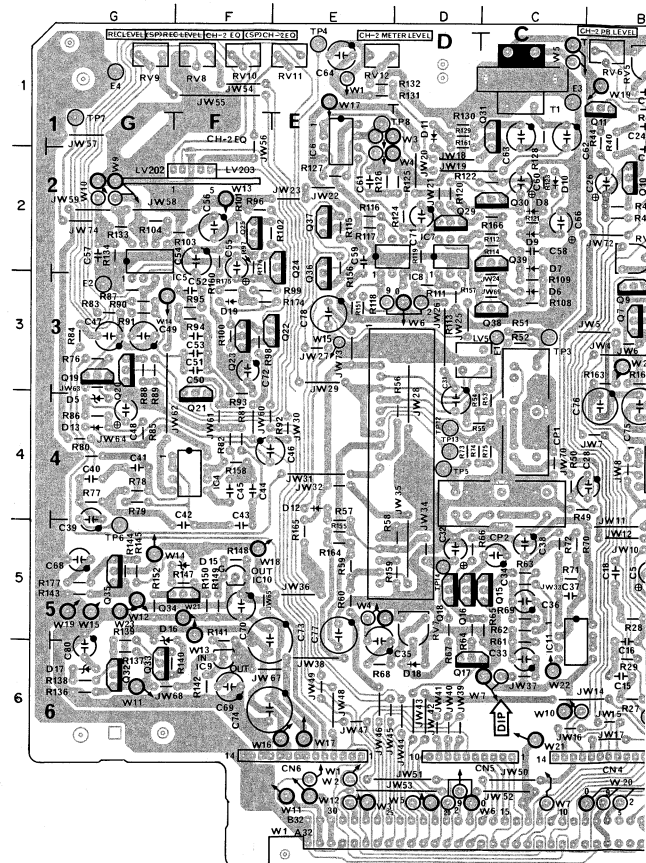
**DUS-71** —COMPONENT SIDE—  
1-6151-65-11(1)  
BVU-950  
BVU-950P

AU-84A: CH-2 REC/PB AMPLIFIER  
DUS-71: VARIABLE COIL  
HN-77: JUNCTION BOARD

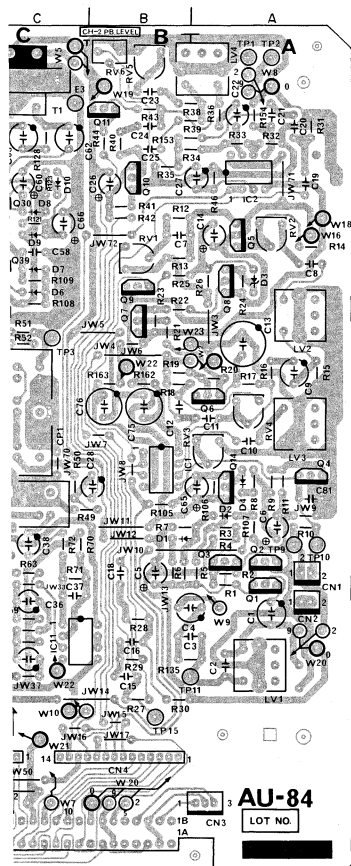
AU-84A(1-622-701-13)

CN1	A.5	Q7	B.3
CN2	A.5	Q8	A.3
CN3	A.6	Q9	B.3
CN4	B.6	Q10	B.2
CN5	D.6	Q11	B.1
CN6	E.6	Q14	A.4
		Q15	C.5
CP1	C.4	Q16	D.5
CP2	C.4	Q17	D.6
		Q18	D.5
D1	B.5	Q19	G.3
D2	A.4	Q20	G.3
D3	A.3	Q21	F.4
D4	A.4	Q22	F.3
D5	G.4	Q23	F.3
D6	C.3	Q24	E.2
D7	C.2	Q25	F.2
D8	C.2	Q29	D.2
D9	C.2	Q30	C.2
D10	C.2	Q31	C.1
D11	D.1	Q32	G.6
D12	E.4	Q33	G.6
D13	G.4	Q34	F.5
D15	F.5	Q35	G.5
D16	G.5	Q36	E.2
D17	G.6	Q37	E.2
D18	D.6	Q38	C.3
D19	F.3	Q39	C.2
E1	C.3	RV1	B.2
E2	G.3	RV2	A.2
E3	C.1	RV3	A.4
E4	G.1	RV4	A.4
		RV5	B.1
IC1	B.4	RV6	B.1
IC2	A.2	RV7	D.5
IC3	D.3	RV8	F.1
IC4	F.4	RV9	G.1
IC5	G.2	RV10	F.1
IC6	E.1	RV11	E.1
IC7	D.2	RV12	E.1
IC8	E.2		
IC9	F.6	T1	C.1
IC10	F.5		
IC11	C.6	TP1	A.1
		TP2	A.1
LV1	A.6	TP3	C.3
LV2	A.3	TP4	E.1
LV3	A.4	TP5	D.4
LV4	A.1	TP6	G.5
LV5	D.3	TP7	G.1
LV202	F.2	TP8	E.1
LV203	F.2	TP9	A.5
		TP10	A.5
Q1	A.5	TP11	B.6
Q2	A.5	TP12	D.4
Q3	A.5	TP13	D.4
Q4	A.4	TP14	D.5
Q5	A.2	TP15	B.6
Q6	A.4		

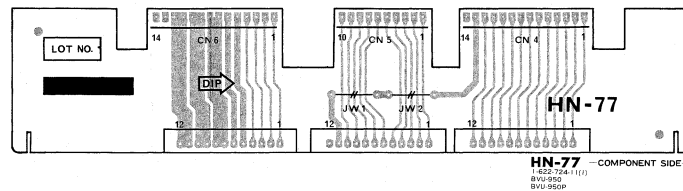
17-37 (c)



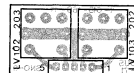
17-38 (c)



**AU-84/A** —COMPONENT SIDE—  
 1 622-701-13(1)  
 BVU-950  
 BVU-950P



**HN-77** —COMPONENT SIDE—  
 1 622-724-11(1)  
 BVU-950  
 BVU-950P

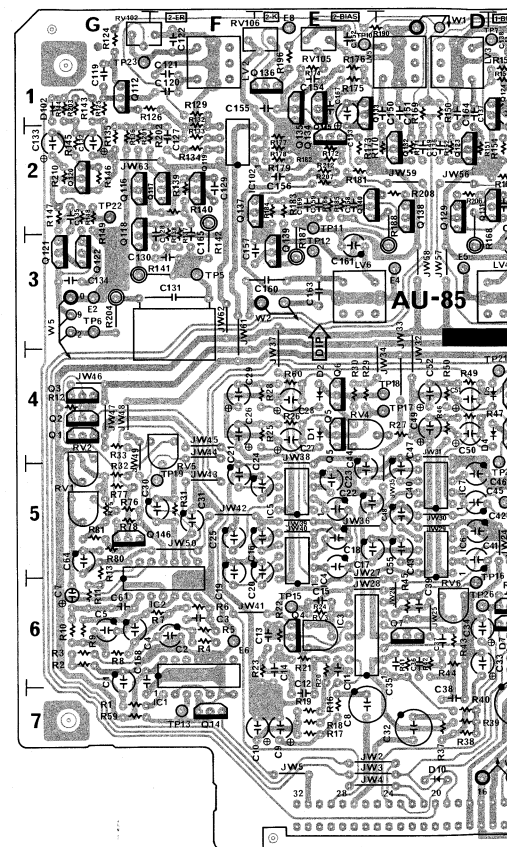


**DUS-71** —COMPONENT SIDE—  
 1 622-701-13(1)  
 BVU-950  
 BVU-950P



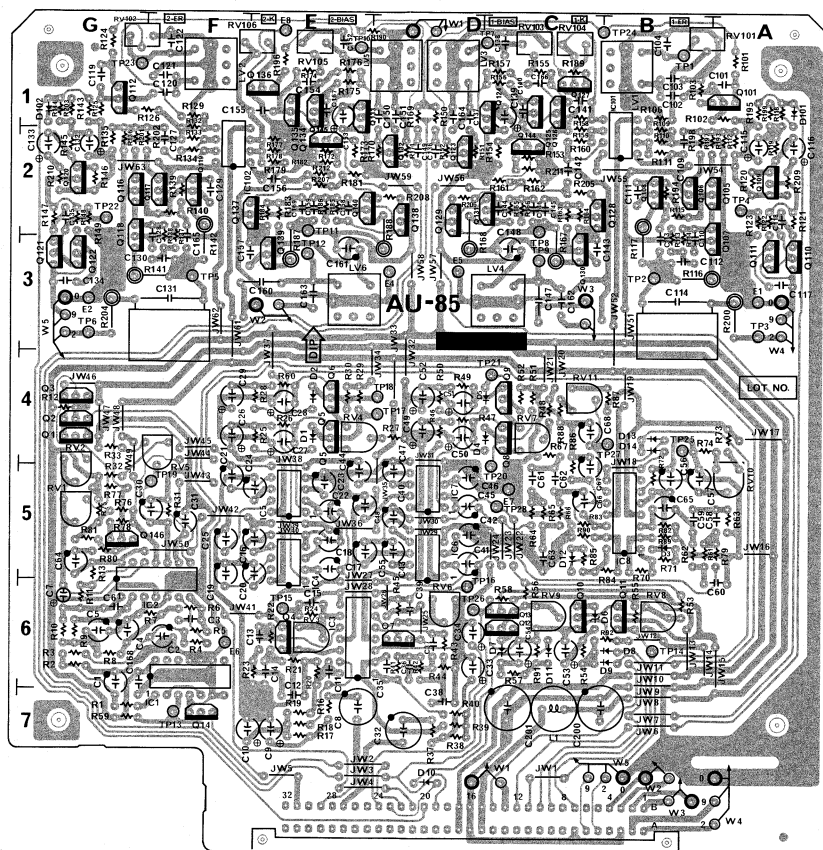
AU-85A (1-622-702-11)

D1	E-4	Q106	B-2	TP6	G-3
D2	E-4	Q107	A-2	TP7	C-1
D3	B-5	Q108	B-2	TP8	C-2
D4	C-4	Q109	A-1	TP9	C-3
D5	C-4	Q110	A-3	TP10	E-1
D6	C-6	Q111	A-3	TP11	E-2
D7	C-6	Q112	G-1	TP12	E-3
D8	B-6	Q116	G-2	TP13	F-7
D9	B-6	Q117	F-2	TP14	B-6
D10	D-7	Q118	G-2	TP15	E-6
D11	C-6	Q119	F-2	TP16	D-6
D12	C-5	Q120	G-2	TP17	D-4
D13	B-4	Q121	G-3	TP18	D-4
D14	B-4	Q122	G-3	TP19	F-5
D101	A-1	Q123	D-2	TP20	C-4
D102	G-1	Q124	C-1	TP21	C-4
		Q125	C-1	TP22	G-2
E1	A-3	Q126	C-1	TP23	G-1
E2	G-3	Q127	C-1	TP24	B-1
E4	D-3	Q128	C-2	TP25	B-4
E5	D-3	Q129	D-2	TP26	D-6
E6	F-6	Q130	C-3	TP27	B-4
E7	C-5	Q131	C-2	TP28	C-5
E8	E-1	Q132	D-2		
		Q133	E-1		
IC1	F-6	Q134	E-1		
IC2	F-6	Q135	E-1		
IC3	E-6	Q136	E-1		
IC4	E-5	Q137	F-2		
IC5	E-5	Q138	D-2		
IC6	D-5	Q139	E-3		
IC7	D-5	Q140	E-2		
IC8	B-5	Q144	C-2		
IC101	B-1	Q145	E-2		
IC102	F-2	Q146	G-5		
LV1	B-1	RV1	G-5		
LV2	F-1	RV2	G-5		
LV3	D-1	RV3	E-6		
LV4	C-3	RV4	E-4		
LV5	D-1	RV5	F-4		
LV6	F-3	RV6	D-6		
		RV7	C-4		
Q1	G-4	RV8	B-6		
Q2	G-4	RV9	C-6		
Q3	G-4	RV10	A-5		
Q4	E-6	RV11	C-4		
Q5	E-4	RV101	B-1		
Q6	E-4	RV102	G-1		
Q7	D-6	RV103	C-1		
Q8	C-4	RV104	C-1		
Q9	C-4	RV105	E-1		
Q10	C-6	RV106	E-1		
Q11	B-6				
Q12	C-6	TP1	B-1		
Q13	C-6	TP2	B-3		
Q14	F-7	TP3	A-3		
Q101	A-1	TP4	A-2		
Q105	A-2	TP5	F-3		



AU-85A: DOLBY AUTO DETECTOR, BIAS OSCILLATOR

S/N UP TO 11280(EK)

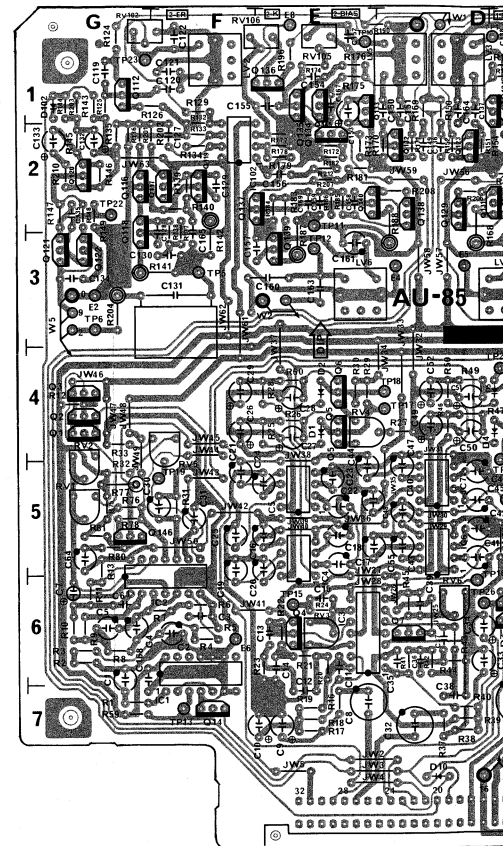


**AU-85/A** -COMPONENT SIDE-  
 1422-100-1(11)  
 RVU-950  
 RVU-950P

AU-85A(1-622-702-12)

D1	E-4	Q106	B-2	TP6	G-3
D2	E-4	Q107	A-2	TP7	C-1
D3	B-5	Q108	B-2	TP8	C-2
D4	C-4	Q109	A-1	TP9	C-3
D5	C-4	Q110	A-3	TP10	E-1
D6	C-6	Q111	A-3	TP11	E-2
D7	C-6	Q112	G-1	TP12	E-3
D8	B-6	Q116	G-2	TP13	F-7
D9	B-6	Q117	F-2	TP14	B-6
D10	D-7	Q118	G-2	TP15	E-6
D11	C-6	Q119	F-2	TP16	D-6
D12	C-5	Q120	G-2	TP17	D-4
D13	B-4	Q121	G-3	TP18	D-4
D14	B-4	Q122	G-3	TP19	F-5
D101	A-1	Q123	D-2	TP20	C-4
D102	G-1	Q124	C-1	TP21	C-4
		Q125	C-1	TP22	G-2
E1	A-3	Q126	C-1	TP23	G-1
E2	G-3	Q127	C-1	TP24	B-1
E4	D-3	Q128	C-2	TP25	B-4
E5	D-3	Q129	D-2	TP26	D-6
E6	F-6	Q130	C-3	TP27	B-4
E7	C-5	Q131	C-2	TP28	C-5
E8	E-1	Q132	D-2		
		Q133	E-1		
IC1	F-6	Q134	E-1		
IC2	F-6	Q135	E-1		
IC3	E-6	Q136	E-1		
IC4	E-5	Q137	F-2		
IC5	E-5	Q138	D-2		
IC6	D-5	Q139	E-3		
IC7	D-5	Q140	E-2		
IC8	B-5	Q144	C-2		
IC101	B-1	Q145	E-2		
IC102	F-2	Q146	G-5		
LV1	B-1	RV1	G-5		
LV2	F-1	RV2	G-5		
LV3	D-1	RV3	E-6		
LV4	C-3	RV4	E-4		
LV5	D-1	RV5	F-4		
LV6	F-3	RV6	D-6		
		RV7	C-4		
Q1	G-4	RV8	B-6		
Q2	G-4	RV9	C-6		
Q3	G-4	RV10	A-5		
Q4	E-6	RV11	C-4		
Q5	E-4	RV101	B-1		
Q6	E-4	RV102	G-1		
Q7	D-6	RV103	C-1		
Q8	C-4	RV104	C-1		
Q9	C-4	RV105	E-1		
Q10	C-6	RV106	E-1		
Q11	B-6				
Q12	C-6	TP1	B-1		
Q13	C-6	TP2	B-3		
Q14	F-7	TP3	A-3		
Q101	A-1	TP4	A-3		
Q105	A-2	TP5	F-3		

17-45(b)

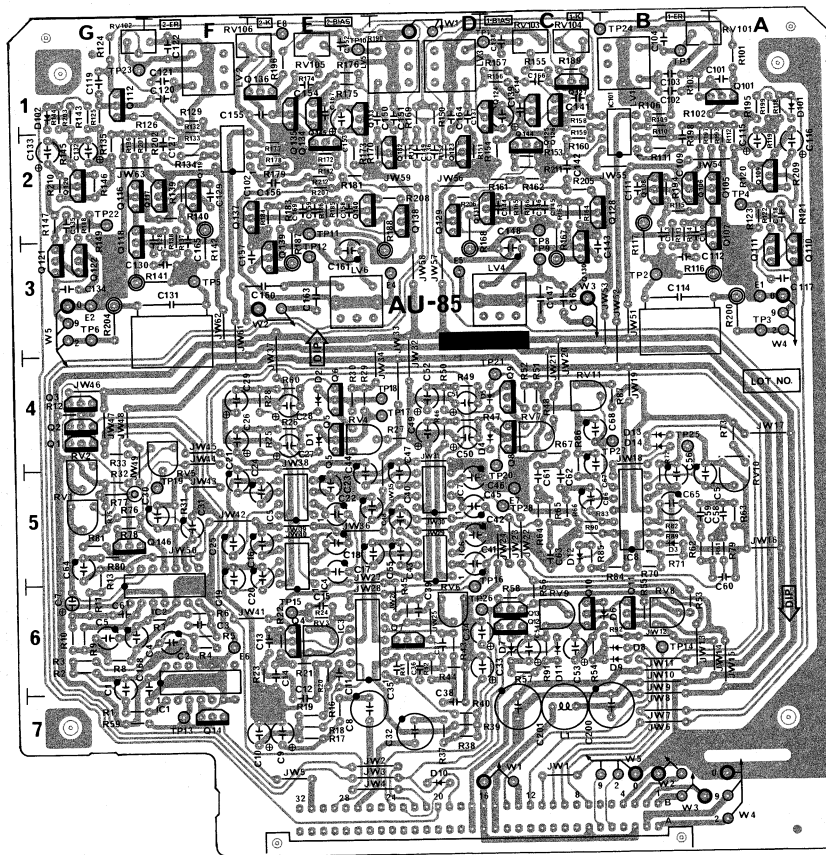


17-46(b)

AU-85A: DOLBY AUTO DETECTOR, BIAS OSCILLATOR

S/N 11281 TO 12080 (EK)

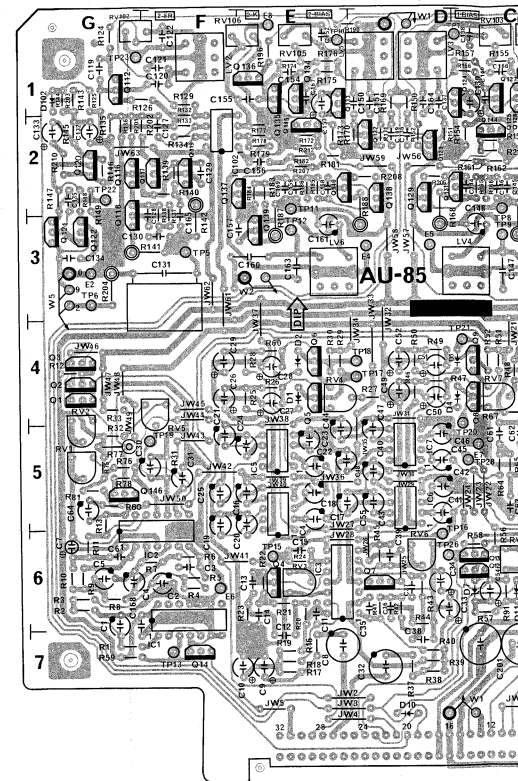
G.3  
C.1  
C.2  
C.3  
E.1  
E.2  
E.3  
F.7  
B.6  
D.6  
D.4  
D.4  
F.5  
C.4  
G.2  
G.1  
B.1  
B.4  
D.6  
B.4  
C.5

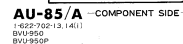


**AU-85/A** —COMPONENT SIDE—  
1-622-702-1 (21)  
RVU-952  
RVU-950P

AU-85A (1-622-702-13,14)

D1	E4	Q106	B2	TP6	G3
D2	E4	Q107	A2	TP7	C1
D3	B5	Q108	B2	TP8	C2
D4	C4	Q109	A2	TP9	C3
D5	C4	Q110	A3	TP10	E1
D6	C6	Q111	A3	TP11	E2
D7	C6	Q112	G1	TP12	E3
D8	B6	Q116	G2	TP13	F3
D9	B6	Q117	F2	TP14	B6
D10	D7	Q118	G2	TP15	E6
D11	C6	Q119	F2	TP16	D6
D12	C5	Q120	G2	TP17	D4
D13	B4	Q121	G3	TP18	D4
D14	B4	Q122	G3	TP19	F5
D101	A1	Q123	D2	TP20	C4
D102	G1	Q124	C1	TP21	C4
		Q125	C1	TP22	G2
E1	A3	Q126	C1	TP23	G1
E2	G3	Q127	C1	TP24	B1
E4	D3	Q128	C2	TP25	B4
E5	D3	Q129	D2	TP26	D6
E6	F6	Q130	C3	TP27	B4
E7	C5	Q131	C2	TP28	C5
E8	E1	Q132	D2		
		Q133	E1		
IC1	F6	Q134	E1		
IC2	F6	Q135	E1		
IC3	E6	Q136	E1		
IC4	E5	Q137	F2		
IC5	E6	Q138	D2		
IC6	D5	Q139	E3		
IC7	D5	Q140	E2		
IC8	B5	Q144	C2		
IC101	B1	Q145	E2		
IC102	F2	Q146	G5		
LV1	B1	RV1	G5		
LV2	F1	RV2	G5		
LV3	D1	RV3	E6		
LV4	C3	RV4	E4		
LV5	D1	RV5	F4		
LV6	E3	RV6	D6		
		RV7	C4		
		RV8	B6		
Q1	G4	RV9	C6		
Q2	G4	RV10	A5		
Q3	G4	RV11	C4		
Q4	E6	RV101	B5		
Q5	E4	RV102	G1		
Q6	E4	RV103	C1		
Q7	D6	RV104	C1		
Q8	C4	RV105	E1		
Q9	C4	RV106	E1		
Q10	C6				
Q11	B6				
Q12	C6	TP1	B1		
Q13	C6	TP2	B3		
Q14	F7	TP3	A3		
Q101	A1	TP4	A2		
Q105	A2	TP5	F3		

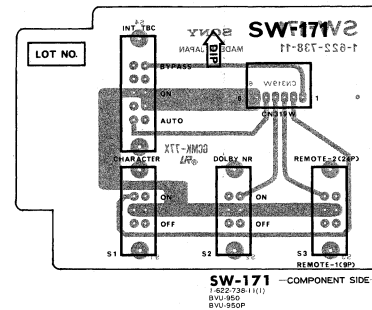




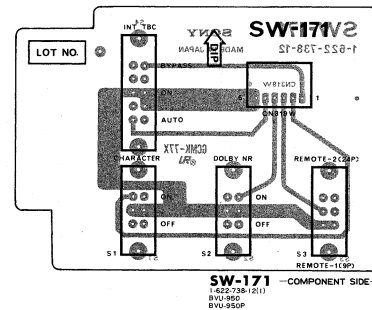
G-3  
C-1  
C-2  
C-3  
E-1  
E-2  
E-3  
F-3  
B-6  
E-6  
D-6  
D-4  
D-4  
F-5  
C-4  
C-4  
G-2  
G-1  
B-1  
B-4  
D-6  
B-4  
C-5

## SW-171: SELECT SWITCH

S/N UP TO 10380(EK)



S/N 10381 AND HIGHER(EK)



AU-87 (1-622-703-11)

CN870	C-1	T2	A-1
CN871	B-1	T101	E-1
CN872	A-1	T102	D-1
CN873	C-1	T103	C-1
CN874	E-1		
CN875	D-1		
CN876	D-1		
CN877	C-2		
CN878	C-1		
CN879	C-2		

D101	E-2
D102	E-2
D103	E-2
D104	E-2
D105	D-2
D106	D-2
D107	D-2
D108	D-2
D109	D-2
D201	C-2
D203	C-2
D204	C-2
D205	C-1

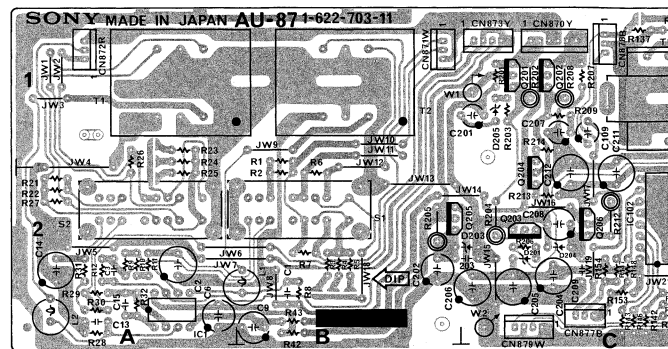
IC1	A-2
IC100	E-2
IC101	D-2
IC102	C-2

Q101	E-2
Q102	E-2
Q103	E-2
Q104	E-1
Q105	E-2
Q106	E-2
Q107	E-1
Q108	E-2
Q109	D-2
Q110	D-2
Q111	D-1
Q112	D-1
Q113	D-2
Q114	D-2
Q201	C-1
Q202	C-1
Q203	C-2
Q204	C-2
Q205	B-2
Q206	C-2

RV1	E-2
RV2	D-2
RV3	D-2

S1	B-2
S2	A-2

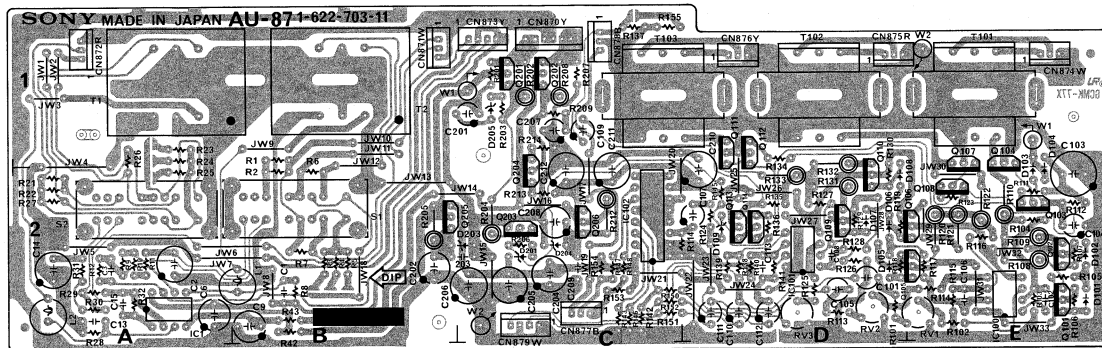
T1	B-1
----	-----





AU-87: MIC/OUTPUT/MONITOR AMPLIFIER S/N UP TO 10980(EK)

A-1  
E-1  
D-1  
C-1



**AU-87** — COMPONENT SIDE —  
1-622-703-11(1)  
BUV 950  
BUV 950P

AU-87 (1-622-703-12,13,14)

CN870	C1	T2	A-1
CN871	B1	T101	E-1
CN872	A-1	T102	D-1
CN873	C1	T103	C-1
CN874	E-1		
CN875	D-1		
CN876	D-1		
CN877	C-2		
CN878	C-1		
CN879	C-2		

D101	E-2
D102	E-2
D103	E-2
D104	E-2
D105	D-2
D106	D-2
D107	D-2
D108	D-2
D109	D-2
D201	C-2
D203	C-2
D204	C-2
D205	C-1

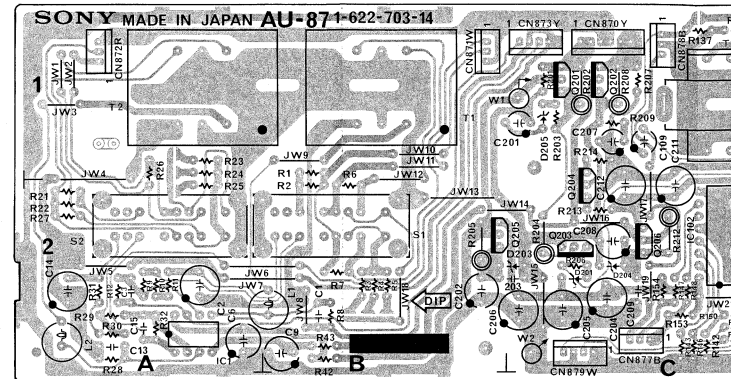
IC1	A-2
IC100	E-2
IC101	D-2
IC102	C-2

Q101	E-2
Q102	E-2
Q103	E-2
Q104	E-1
Q105	E-2
Q106	E-2
Q107	E-1
Q108	E-2
Q109	D-2
Q110	D-2
Q111	D-1
Q112	D-1
Q113	D-2
Q114	D-2
Q201	C-1
Q202	C-1
Q203	C-2
Q204	C-2
Q205	B-2
Q206	C-2

RV1	E-2
RV2	D-2
RV3	D-2

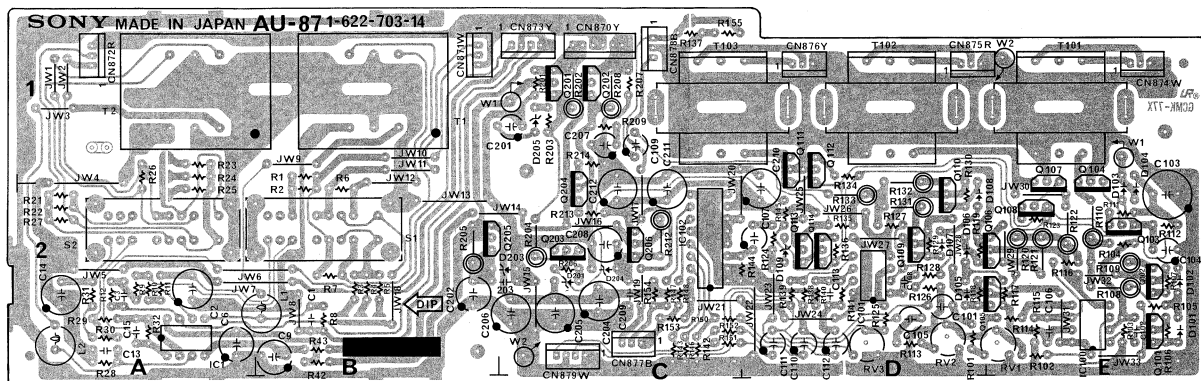
S1	B-2
S2	A-2

T1	B-1
----	-----



AU-87; MIC/OUTPUT/MONITOR AMPLIFIER

S/N 10981 AND HIGHER(EK)

A1  
E1  
D-1  
C-1

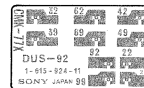
**AU-87** —COMPONENT SIDE—  
 1-622-703-12, 13, 14(2)  
 BVU-950  
 BVU-950P

DUS-92: AUDIO HEAD

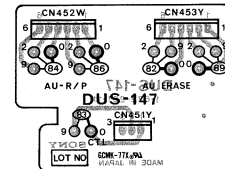
DUS-147: JUNCTION BOARD FOR AUDIO HEAD

HP-28: HEADPHONES

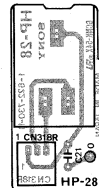
VR-49: HEADPHONES LEVEL CONTROL



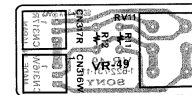
**DUS-92** --COMPONENT SIDE--  
I-415-924-1(1)  
BVU 950  
BVU 950P



**DUS-147** --COMPONENT SIDE--  
I-422-261-1(1)  
BVU 950  
BVU 950P



**HP-28** --COMPONENT SIDE--  
I-422-730-1(1)  
BVU 950  
BVU 950P

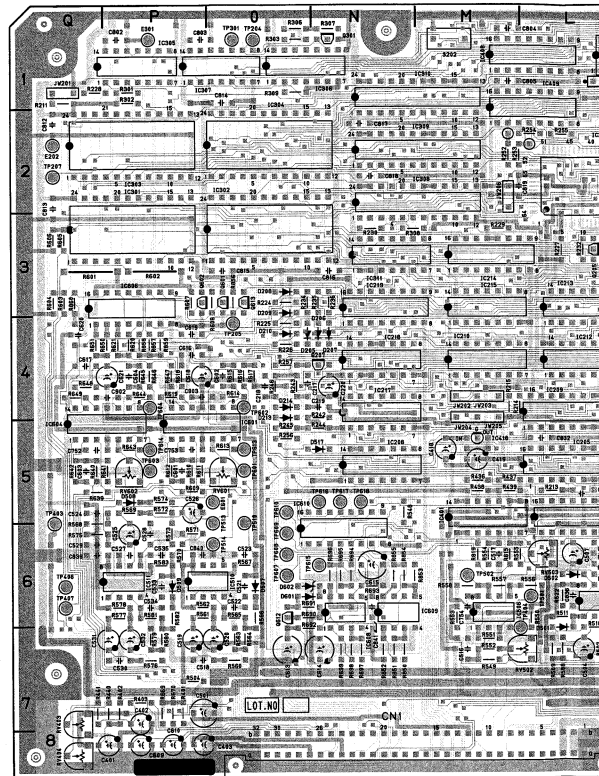


**VR-49** --COMPONENT SIDE--  
I-422-731-1(1)  
BVU 950  
BVU 950P

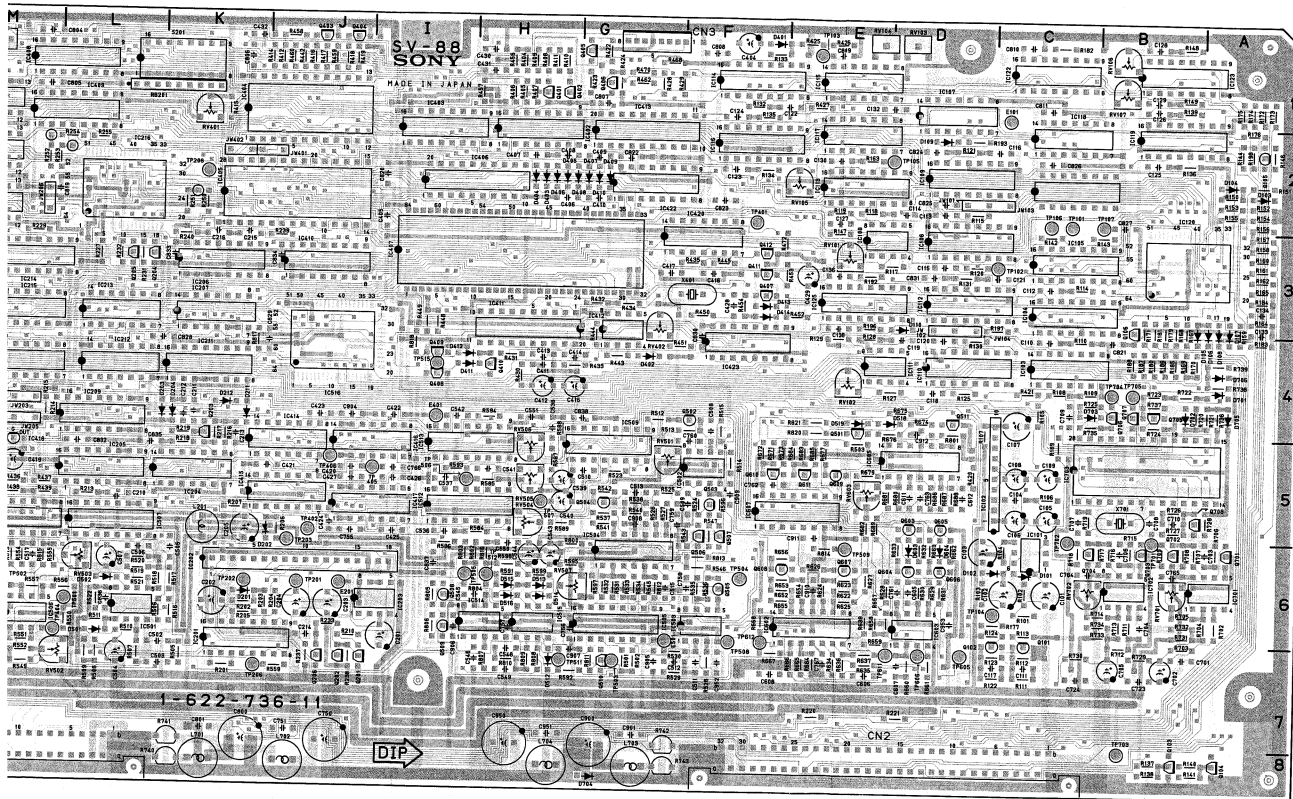
SV-88A (1-622-736-11)

CN1	N-8	D701	A-4	IC303	P-2	Q101	C-6	RB201	K-1	TP507	H-5
CN2	E-8	D702	B-4	IC304	O-2	Q102	D-7			TP508	F-7
CN3	G-1	D703	C-4	IC305	P-1	Q103	B-8	RV101	E-3	TP509	E-6
		D704	G-8	IC306	O-1	Q104	A-8	RV102	E-4	TP510	O-6
D101	C-6	D705	A-4	IC307	G-1	Q105	A-2	RV103	D-1	TP511	H-7
D102	D-6	D706	A-4	IC308	M-2	Q106	B-3	RV104	E-1	TP512	H-6
D103	A-2			IC309	M-2	Q201	J-7	RV105	E-2	TP513	O-6
D104	A-2	E101	C-1	IC310	M-1	Q202	J-7	RV106	B-1	TP514	O-6
D105	B-3	E201	J-6	IC311	N-3	Q203	K-5	RV107	B-1	TP515	I-4
D106	A-3	E202	Q-2	IC401	M-5	Q204	L-3	RV401	K-1	TP601	O-5
D107	A-3	E301	P-1	IC402	H-2	Q205	L-3	RV402	G-3	TP602	O-4
D108	A-3	E401	I-4	IC403	I-2	Q206	J-7	RV403	Q-7	TP603	P-5
D109	D-2	E501	G-7	IC404	J-1	Q207	N-4	RV404	Q-8	TP604	P-4
D110	D-3	E601	O-5	IC405	J-2	Q301	N-1	RV501	G-5	TP605	D-7
				IC406	I-2	Q401	H-1	RV502	L-7	TP606	D-7
D202	K-6	IC101	C-6	IC407	I-3	Q402	H-1	RV503	L-6	TP607	O-6
D203	K-4	IC102	D-5	IC408	L-1	Q403	J-1	RV504	H-5	TP608	O-6
D204	K-4	IC103	C-4	IC409	L-1	Q404	J-1	RV505	H-5	TP609	O-6
D205	O-4	IC104	C-3	IC410	J-3	Q405	G-1	RV506	H-5	TP610	O-5
D206	N-4	IC105	C-3	IC411	H-3	Q406	G-1	RV507	H-6	TP611	E-7
D207	N-4	IC106	D-3	IC412	G-3	Q407	F-3	RV601	O-5	TP612	F-7
D208	O-3	IC107	D-1	IC413	G-2	Q408	I-4	RV602	P-5	TP613	O-5
D209	O-3	IC108	E-3	IC414	J-5	Q409	I-4	RV603	E-5	TP614	P-5
D210	O-4	IC109	D-2	IC415	J-5	Q410	H-4	RV701	B-6	TP615	O-6
D211	K-4	IC110	D-4	IC416	I-5	Q411	F-3	RV702	C-6	TP616	N-5
D212	K-4	IC111	E-4	IC417	I-5	Q412	F-3			TP617	N-5
D213	O-5	IC112	D-3	IC418	M-5	Q501	E-5	S201	K-1	TP618	N-5
D214	O-4	IC113	E-2	IC420	F-3	Q502	F-4	S202	M-1	TP701	B-6
D401	F-1	IC114	F-1	IC422	G-2	Q503	F-5			TP702	O-6
D402	G-4	IC115	F-1	IC423	F-4	Q504	G-5	TP101	C-2	TP703	B-8
D403	H-2	IC116	F-2	IC501	L-6	Q505	F-6	TP102	C-3	TP704	B-4
D404	H-2	IC117	E-2	IC502	F-5	Q506	F-6	TP103	E-1	TP705	B-4
D405	H-2	IC118	C-2	IC503	F-6	Q507	F-6	TP104	D-6		
D406	H-2	IC119	B-2	IC504	G-6	Q508	I-6	TP105	D-2	X401	F-3
D407	G-2	IC120	B-3	IC505	G-6	Q509	I-6	TP106	C-2	X701	B-5
D408	H-2	IC122	C-1	IC506	M-6	Q510	G-7				
D409	G-2	IC123	B-1	IC507	L-5	Q511	D-4	TP107	B-2		
D410	G-2	IC125	E-3	IC509	G-5	Q601	O-3	TP201	J-6		
D411	I-4	IC201	K-7	IC510	O-6	Q602	P-3	TP202	K-6		
D412	I-4	IC202	J-6	IC511	P-6	Q603	D-5	TP203	J-6		
D413	F-3	IC203	I-6	IC512	I-5	Q604	D-6	TP204	O-1		
D414	F-3	IC204	K-5	IC513	I-5	Q605	D-5	TP205	O-4		
D501	L-7	IC205	L-5	IC514	H-6	Q606	D-6	TP206	K-7		
D502	L-6	IC206	K-3	IC515	H-6	Q607	E-6	TP207	Q-2		
D507	O-6	IC207	K-3	IC516	J-4	Q608	F-6	TP208	K-2		
D508	P-5	IC208	N-5	IC601	O-5	Q609	E-5	TP301	O-1		
D509	P-5	IC209	L-4	IC602	E-5	Q610	F-5	TP401	F-2		
D512	H-7	IC210	M-4	IC603	D-6	Q611	E-5	TP402	J-5		
D513	H-6	IC211	K-4	IC604	Q-5	Q612	O-6	TP403	Q-5		
D514	H-6	IC212	L-4	IC605	D-5	Q613	O-3	TP404	M-7		
D515	H-6	IC213	L-3	IC606	P-3	Q701	A-6	TP405	I-5		
D516	H-6	IC214	M-3	IC607	F-5	Q702	B-6	TP406	J-5		
D517	N-5	IC215	M-3	IC608	N-6	Q703	B-6	TP407	Q-6		
D518	D-4	IC216	L-2	IC609	N-6	Q704	B-6	TP408	Q-6		
D519	E-4	IC217	N-4	IC610	N-6	Q705	B-4	TP501	L-6		
D601	O-6	IC218	N-4	IC701	N-6	Q706	B-4	TP502	M-6		
D602	O-6	IC219	N-3	IC702	B-6	Q707	B-4	TP503	G-7		
D603	D-6	IC301	P-3	IC703	B-5	Q708	A-5	TP504	F-6		
D604	D-6	IC302	O-3					TP505	I-6		
								TP506	I-5		

17-65(a)



17-66(a)

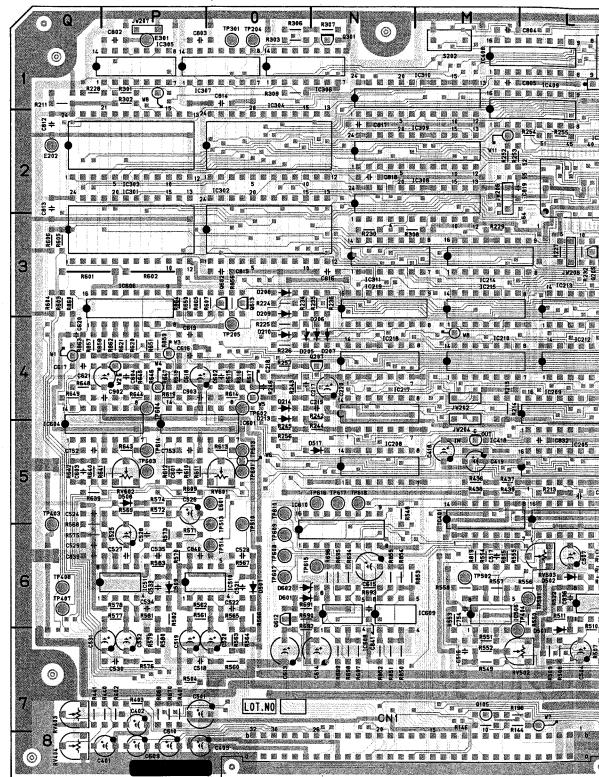


SV-88A — COMPONENT SIDE —  
1-622-736-11(1)  
BYV-SGP

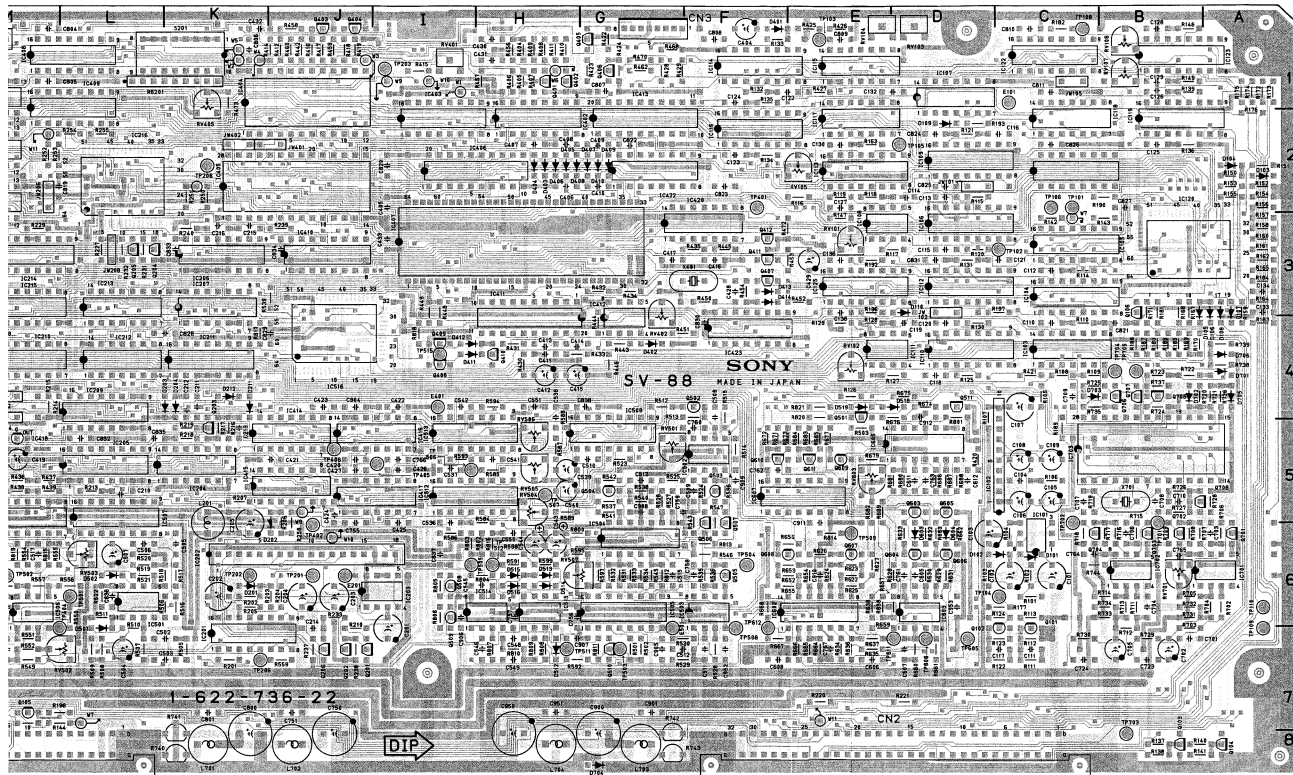
SV-88A (1-622-736-22)

CN1	N-8	D701	A-4	IC303	P-2	Q101	C-7	RB201	K-1	TP504	F-6
CN2	E-8	D702	B-4	IC304	O-2	Q102	D-7			TP505	I-6
CN3	G-1	D703	C-4	IC305	P-1	Q103	B-8	RV101	E-3	TP506	I-5
		D704	G-8	IC306	O-1	Q104	A-8	RV102	E-4	TP507	H-5
D101	C-6	D705	A-4	IC307	O-1	Q105	M-7	RV103	D-1	TP508	F-7
D102	D-6	D706	A-4	IC308	M-2	Q106	B-3	RV104	E-1	TP509	E-6
D103	A-2			IC309	M-2	Q201	J-7	RV105	E-2	TP510	O-6
D104	A-2	E101	C-1	IC310	M-1	Q202	J-7	RV106	B-1	TP511	H-7
D105	B-3	E201	J-6	IC311	N-3	Q203	K-5	RV107	B-1	TP512	H-6
D106	A-3	E202	Q-2	IC401	M-5	Q204	L-3	RV401	I-1	TP513	O-6
D107	A-3	E301	P-1	IC402	H-2	Q205	L-3	RV402	G-3	TP514	O-6
D108	A-3	E401	I-4	IC403	I-2	Q206	J-7	RV403	Q-7	TP515	I-4
D109	D-2	E501	G-7	IC404	J-1	Q207	N-4	RV404	Q-8	TP601	O-5
D110	D-3	E601	O-5	IC405	J-2	Q301	N-1	RV405	K-1	TP602	O-4
D201	K-6			IC406	I-2	Q401	H-1	RV501	G-5	TP603	P-5
D202	K-6	IC101	C-6	IC407	H-3	Q402	H-1	RV502	L-7	TP604	P-4
D203	K-4	IC102	C-5	IC408	L-1	Q403	J-1	RV503	L-6	TP605	D-7
D204	K-4	IC103	C-4	IC409	L-1	Q404	J-1	RV504	H-5	TP606	D-7
D205	O-4	IC104	C-3	IC410	J-3	Q405	G-1	RV505	H-5	TP607	O-6
D206	N-4	IC105	C-3	IC411	H-4	Q406	G-1	RV506	H-5	TP608	O-6
D207	N-4	IC106	D-3	IC412	G-4	Q407	F-3	RV507	H-6	TP609	O-6
D208	O-3	IC107	D-1	IC413	G-2	Q408	I-4	RV601	O-5	TP610	O-5
D209	O-3	IC108	E-3	IC414	J-5	Q409	I-4	RV602	P-5	TP611	E-7
D210	O-4	IC109	D-2	IC415	J-5	Q410	H-4	RV603	E-5	TP612	F-7
D211	K-4	IC110	D-4	IC416	I-5	Q411	F-3	RV701	B-6	TP613	O-5
D212	K-4	IC111	E-4	IC417	I-5	Q412	F-3			TP614	P-5
D213	O-5	IC112	D-3	IC418	M-5	Q501	E-5	S201	K-1	TP615	O-6
D214	O-4	IC113	E-2	IC420	F-3	Q502	F-4	S202	M-1	TP616	N-5
D401	F-1	IC114	F-1	IC422	G-2	Q503	F-5			TP617	N-5
D402	G-4	IC115	E-1	IC423	F-4	Q504	G-5	TP101	C-2	TP618	N-5
D403	H-2	IC116	F-2	IC501	L-6	Q505	F-6	TP102	C-3	TP701	B-6
D404	H-2	IC117	E-2	IC502	F-5	Q506	F-6	TP103	E-1	TP702	C-6
D405	H-2	IC118	C-2	IC503	F-6	Q507	F-6	TP104	D-6	TP703	B-8
D406	H-2	IC119	B-2	IC504	G-6	Q508	I-6	TP105	D-2	TP704	B-4
D407	G-2	IC120	B-3	IC505	G-6	Q509	I-6	TP106	C-2	TP705	B-4
D408	H-2	IC122	C-1	IC506	M-6	Q510	G-7	TP107	B-2		
D409	G-2	IC123	B-1	IC507	L-5	Q511	D-4	TP108	C-1	X401	F-3
D410	G-2	IC125	E-3	IC509	G-5	Q601	O-3	TP109	A-7	X701	B-5
D411	I-4	IC201	K-7	IC510	O-6	Q602	O-3	TP110	A-6		
D412	I-4	IC202	J-6	IC511	P-6	Q603	D-5	TP201	J-6		
D413	F-3	IC203	I-6	IC512	I-5	Q604	D-6	TP202	K-6		
D414	F-3	IC204	K-5	IC513	I-5	Q605	D-5	TP203	I-1		
D501	L-7	IC205	L-5	IC514	H-6	Q606	D-6	TP204	O-1		
D502	L-6	IC206	K-3	IC515	H-6	Q607	E-6	TP205	O-4		
D507	O-6	IC207	K-3	IC516	J-4	Q608	F-6	TP206	K-7		
D508	P-5	IC208	N-5	IC601	O-5	Q609	E-5	TP207	Q-2		
D509	P-6	IC209	L-4	IC602	E-6	Q610	F-5	TP208	K-2		
D512	H-7	IC210	M-4	IC603	D-6	Q611	E-5	TP301	O-1		
D513	H-6	IC211	K-4	IC604	Q-5	Q612	O-6	TP401	F-2		
D514	H-6	IC212	L-4	IC605	D-5	Q613	O-3	TP402	J-5		
D515	H-6	IC213	L-3	IC606	P-3	Q701	A-6	TP403	Q-5		
D516	H-6	IC214	M-3	IC607	F-5	Q702	B-6	TP404	M-7		
D517	N-5	IC215	M-3	IC608	N-6	Q703	B-6	TP405	I-5		
D518	D-4	IC216	L-2	IC609	N-6	Q704	C-6	TP406	J-5		
D519	E-4	IC217	N-4	IC610	N-6	Q705	B-4	TP407	Q-6		
D601	O-6	IC218	N-4	IC701	A-6	Q706	B-4	TP408	Q-6		
D602	O-6	IC219	N-3	IC702	B-6	Q707	B-4	TP501	L-6		
D603	D-6	IC301	P-3	IC703	B-5	Q708	A-5	TP502	M-6		
D604	D-6	IC302	O-3					TP503	G-7		

17-65(b)



17-66(b)

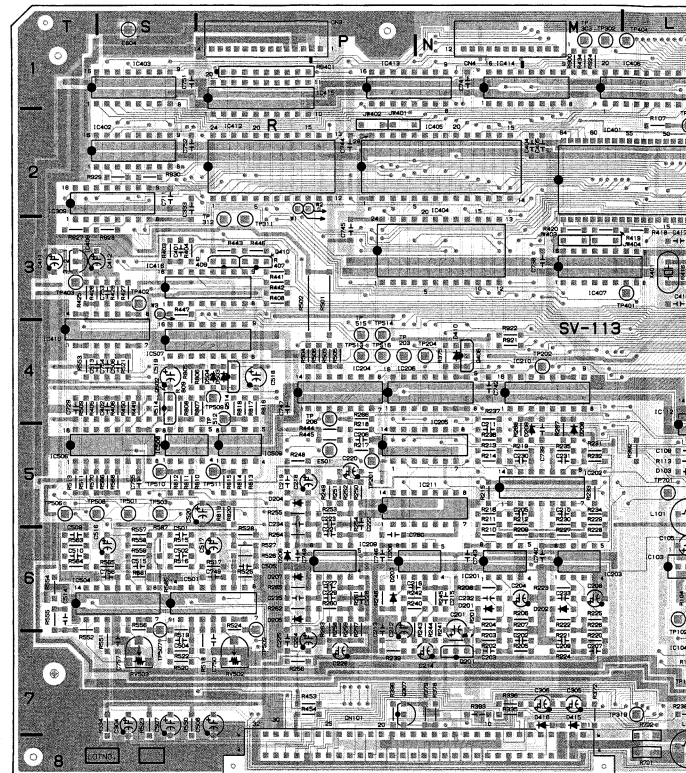


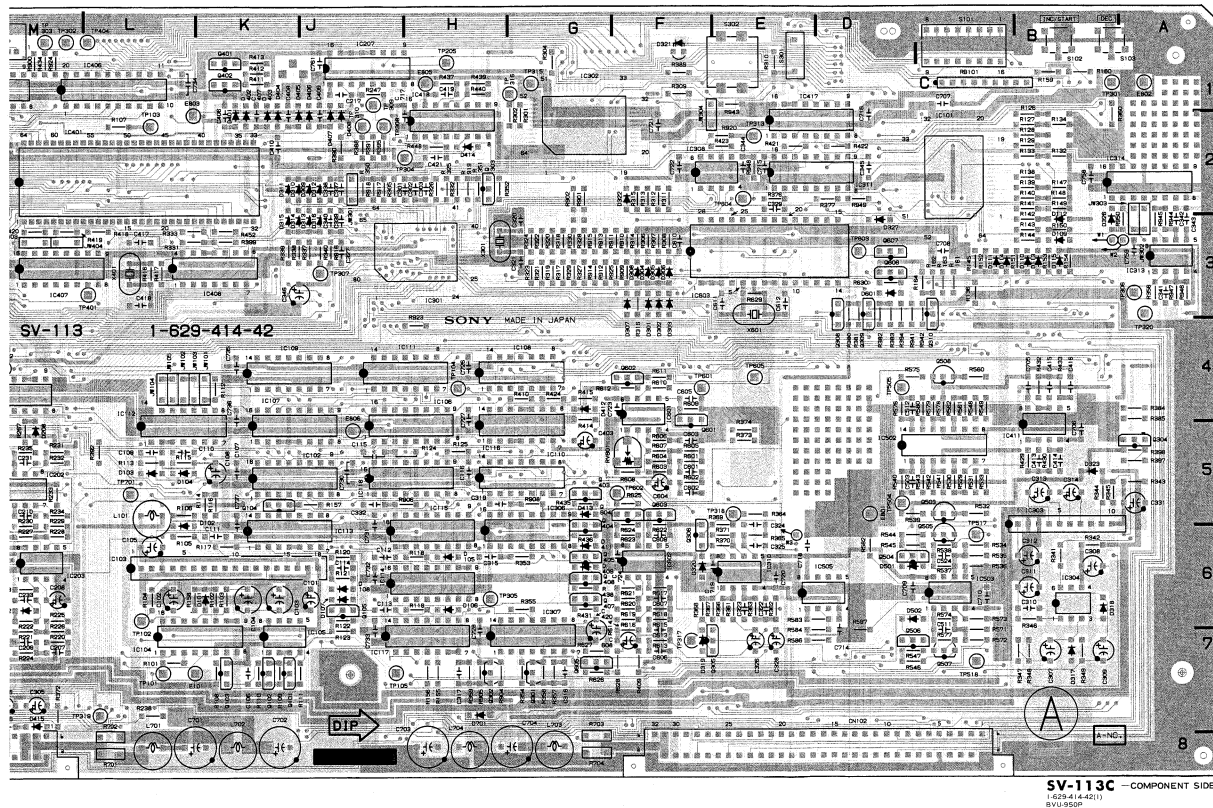
SV-88A — COMPONENT SIDE —  
1-622-736-22(1)  
BVU-950P



SV-113C(1-629414-42)

CN1	P-8	D406	J-2	IC306	G-5	Q404	G-5	TP312	R-3
CN2	D-8	D407	J-2	IC307	G-6	Q405	G-6	TP313	E-2
CN3	R-1	D408	J-2	IC308	E-2	Q406	N-4	TP315	G-1
CN4	N-1	D409	G-6	IC309	S-2	Q407	G-6	TP316	G-1
		D410	N-4	IC310	E-6	Q408	G-6	TP317	F-7
D101	K-6	D411	G-6	IC311	E-2	Q409	R-3	TP318	E-5
D102	L-5	D412	G-4	IC313	A-3	Q410	R-3	TP319	L-7
D103	L-5	D413	G-5	IC314	A-2	Q502	S-4	TP320	A-3
D104	L-5	D414	H-2	IC401	L-2	Q503	C-5	TP401	L-3
D105	H-6	D415	M-7	IC402	S-2	Q504	D-6	TP402	S-3
D106	H-6	D416	M-7	IC403	S-1	Q505	C-6	TP403	F-3
D107	J-6	D501	D-6	IC404	N-3	Q506	D-7	TP404	L-1
D108	J-6	D502	D-6	IC405	N-2	Q507	C-7	TP501	S-5
D109	B-3	D503	R-4	IC406	L-1	Q508	C-4	TP502	R-6
D110	B-3	D504	R-4	IC407	M-3	Q514	R-4	TP503	S-5
D111	C-3	D601	D-3	IC408	K-3	Q601	F-5	TP504	D-5
D112	B-3	D701	H-7	IC409	T-3	Q602	F-4	TP505	D-4
D113	B-3			IC410	S-4	Q603	F-5	TP506	F-5
D114	C-3	E101	L-7	IC411	B-4	Q604	F-5	TP507	S-6
D115	B-3	E501	P-5	IC412	R-2	Q605	G-7	TP508	S-5
D201	N-6	E801	D-5	IC413	P-1	Q606	D-3	TP509	R-4
D202	M-6	E802	A-1	IC414	M-1	Q607	D-3	TP510	S-5
D203	P-6	E803	L-2	IC415	R-1			TP511	R-5
D204	R-5	E804	S-1	IC416	R-3	RB101	C-1	TP512	R-4
D205	R-6	E805	H-1	IC417	E-2	RB401	R-1	TP513	P-4
D206	R-6	E806	J-5	IC418	H-2			TP514	P-4
D207	R-6			IC419	J-1	RV502	R-7	TP515	P-4
D208	M-5	IC101	C-2	IC501	R-6	RV503	S-7	TP516	P-4
D209	M-5	IC102	K-5	IC502	C-5	RV601	F-5	TP517	C-6
D301	F-3	IC103	K-6	IC503	C-6			TP518	C-7
D302	F-3	IC104	L-7	IC504	S-6	S101	C-1	TP601	F-4
D303	F-3	IC105	K-7	IC505	D-6	S102	B-1	TP602	F-5
D304	F-3	IC106	H-4	IC506	S-5	S103	B-1	TP603	D-3
D305	F-3	IC107	K-4	IC507	R-4	S301	F-1	TP604	E-2
D306	F-3	IC108	G-4	IC508	S-5	S302	E-1	TP605	E-4
D307	F-3	IC109	K-4	IC509	R-5			TP701	L-5
D308	F-3	IC110	G-5	IC601	F-4	TP101	L-7		
D309	J-2	IC111	H-4	IC603	F-3	TP102	L-6	X301	H-3
D310	J-2	IC112	L-4			TP103	L-2	X401	L-3
D311	K-2	IC113	K-5	Q101	K-7	TP104	H-4	X601	E-4
D312	J-2	IC114	H-6	Q102	K-7	TP105	J-7		
D313	J-2	IC115	H-5	Q103	K-7	TP201	P-5		
D314	J-2	IC116	G-4	Q104	K-5	TP202	M-4		
D315	K-2	IC117	H-7	Q105	J-6	TP203	P-4		
D316	J-2	IC118	H-5	Q201	N-7	TP204	N-4		
D317	B-7	IC201	H-6	Q301	G-7	TP205	N-6		
D318	B-6	IC202	M-5	Q302	H-7	TP206	P-4		
D319	F-7	IC203	M-6	Q303	H-2	TP301	B-1		
D320	F-6	IC204	P-4	Q304	A-5	TP302	M-1		
D321	E-1	IC205	N-5	Q305	F-7	TP303	M-1		
D322	F-2	IC206	N-4	Q306	F-6	TP304	H-2		
D323	B-5	IC207	N-5	Q307	P-7	TP305	H-6		
D326	B-3	IC208	N-6	Q308	D-4	TP306	A-3		
D401	K-2	IC209	P-6	Q309	D-4	TP307	J-3		
D402	K-2	IC210	M-4	Q310	C-4	TP308	J-2		
D403	K-2	IC302	G-2	Q401	K-1	TP309	J-1		
D404	K-2	IC303	B-5	Q402	K-1	TP310	R-3		
D405	J-2	IC304	B-6	Q403	G-5	TP311	R-3		





DR-53,DR-59,SE-48

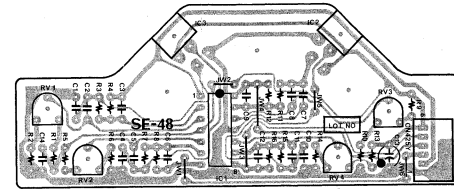
DR-53,DR-59,SE-48

DR-53: REEL/CAPSTAN/DRUM MOTOR DRIVE

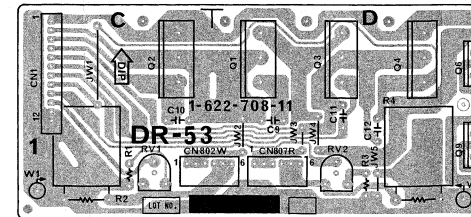
DR-59: REEL MOTOR DRIVE

SE-48: REEL ROTATION DETECTOR

S/N UP TO 11280(EK)



**SE-48** - COMPONENT SIDE -  
1-622-735-1(1)  
BVU 950  
BVU 950P

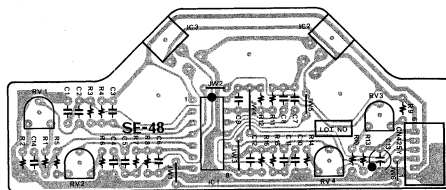


DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE

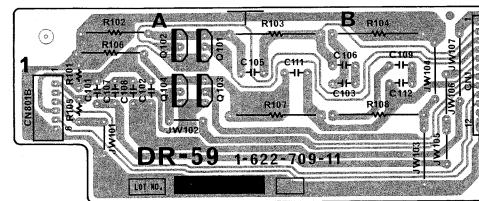
DR-59; REEL MOTOR DRIVE

SE-48; REEL ROTATION DETECTOR

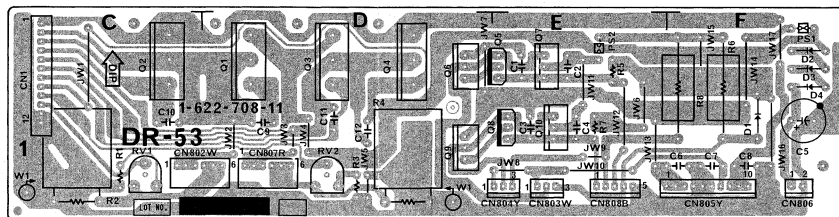
S/N UP TO 11280(EK)



**SE-48** — COMPONENT SIDE —  
1-622-735-1 (11)  
BVU-950  
BVU-950P



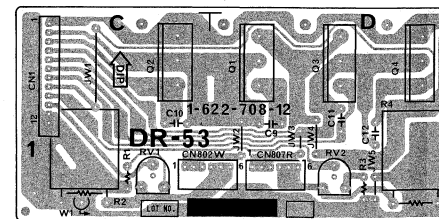
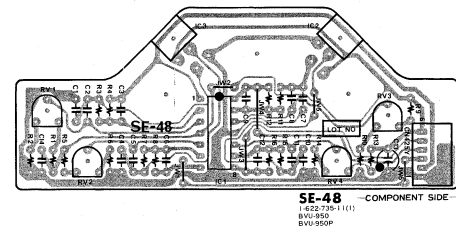
**DR-59** — COMPONENT SIDE —  
1-622-709-1 (11)  
BVU-950  
BVU-950P



**DR-53** — COMPONENT SIDE —  
1-622-708-1 (11)  
BVU-950  
BVU-950P

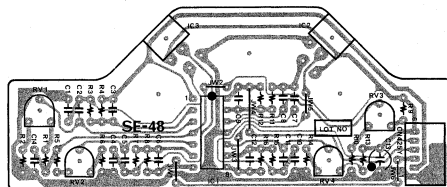
DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE  
 DR-59; REEL MOTOR DRIVE  
 SE-48; REEL ROTATION DETECTOR

S/N 11281 AND HIGHER(EK)

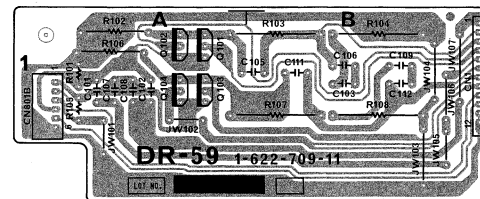


DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE  
 DR-59; REEL MOTOR DRIVE  
 SE-48; REEL ROTATION DETECTOR

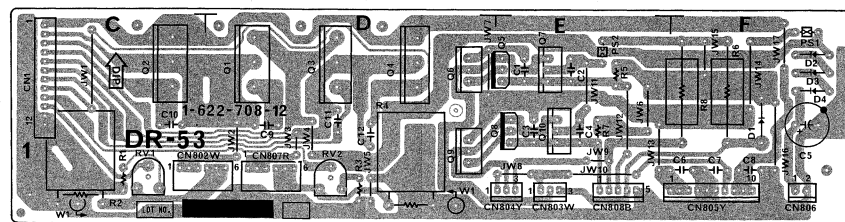
S/N 11281 AND HIGHER(EK)



**SE-48** — COMPONENT SIDE —  
 1-622-708-11(1)  
 BVU 950  
 BVU 950P

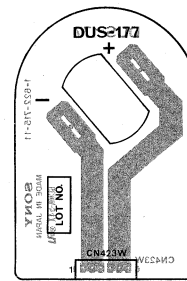


**DR-59** — COMPONENT SIDE —  
 1-622-709-11(1)  
 BVU 950  
 BVU 950P

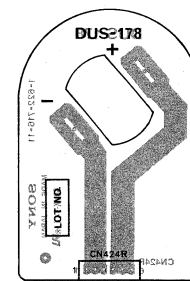


**DR-53** — COMPONENT SIDE —  
 1-622-708-11(1)  
 BVU 950  
 BVU 950P

DUS-177: T-REEL MOTOR  
 DUS-178: S-REEL MOTOR  
 LE-53: S-TENSION LED  
 LE-54: T-TENSION LED  
 PTC-28: S-TENSION CDS  
 PTC-29: T-TENSION CDS



**DUS-177** - COMPONENT SIDE -  
 1-622-715-1 (1)  
 BVU-950  
 BVU-950P



**DUS-178** - COMPONENT SIDE -  
 1-622-716-1 (1)  
 BVU-950  
 BVU-950P



**LE-53** - COMPONENT SIDE -  
 1-622-720-1 (1)  
 BVU-950  
 BVU-950P



**LE-54** - COMPONENT SIDE -  
 1-622-717-1 (1)  
 BVU-950  
 BVU-950P



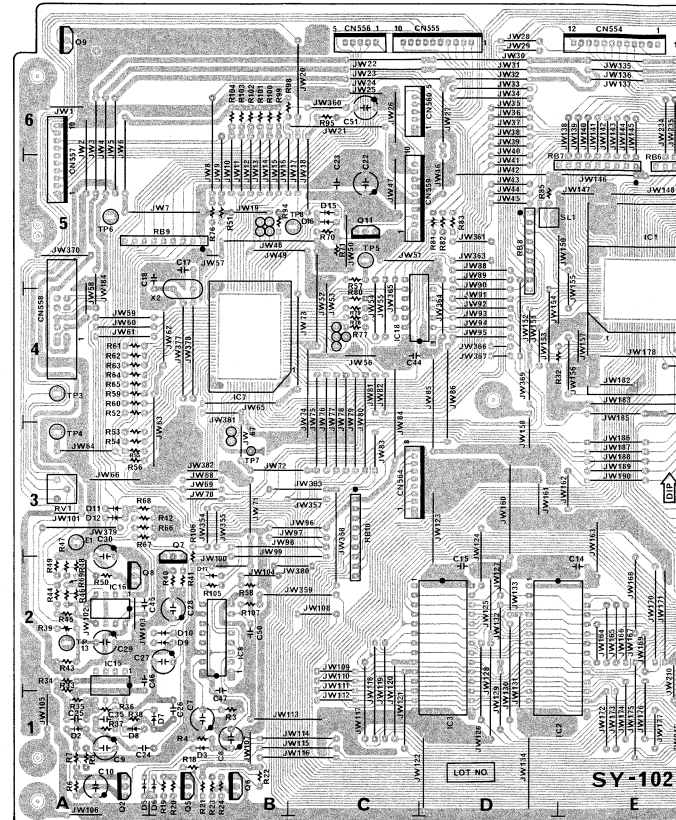
**PTC-28** - COMPONENT SIDE -  
 1-622-722-1 (1)  
 BVU-950  
 BVU-950P



**PTC-29** - COMPONENT SIDE -  
 1-622-718-1 (1)  
 BVU-950  
 BVU-950P

SY-102A (1-622-734-11)

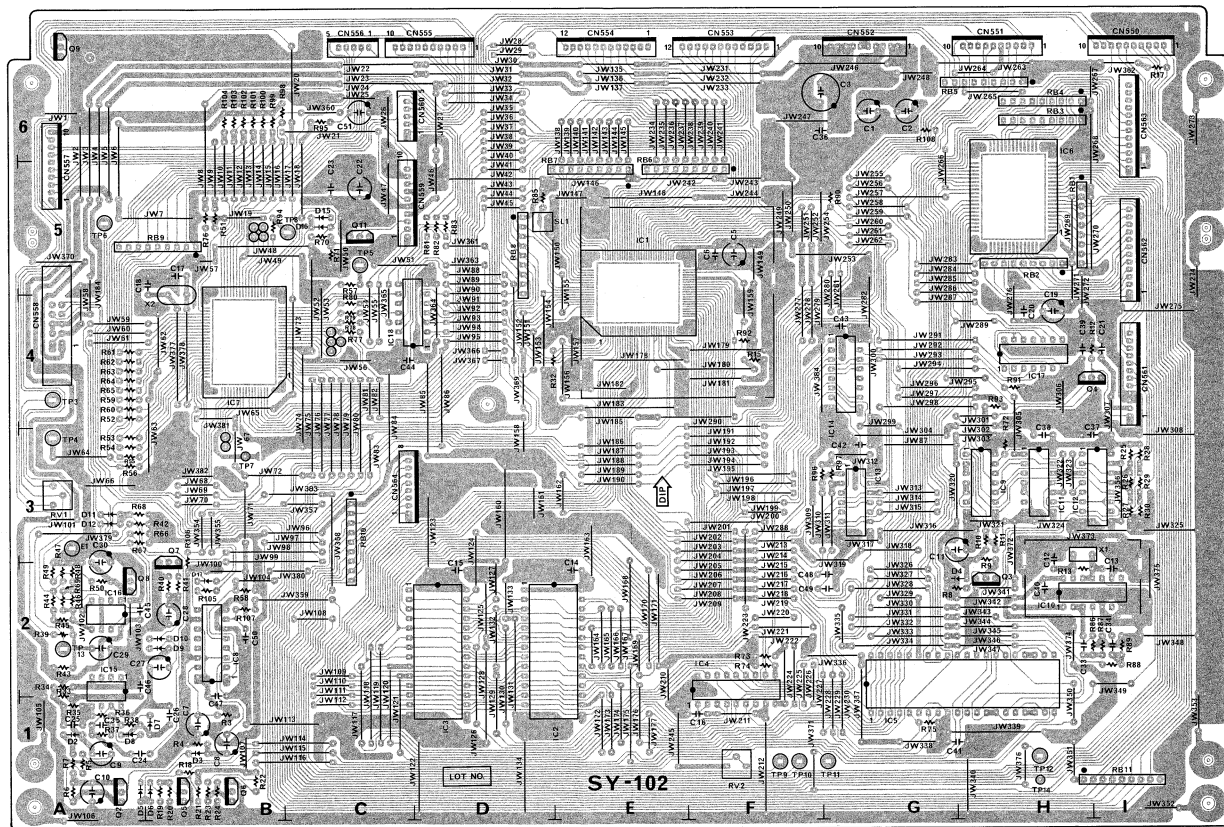
CN550	I-6	Q9	A-6
CN551	H-6	Q11	C-5
CN552	G-6		
CN553	F-6	RB1	H-5
CN554	E-6	RB2	H-5
CN555	D-6	RB3	H-6
CN556	C-6	RB4	H-6
CN557	A-5	RB5	H-6
CN558	A-4	RB6	E-5
CN559	C-5	RB7	E-5
CN560	C-6	RB8	D-5
CN561	I-4	RB9	B-5
CN562	I-5	RB10	C-3
CN563	I-6	RB11	I-1
CN564	C-3		
D2	A-1	RV1	A-3
D3	B-1	RV2	F-1
D4	G-2	TP3	A-4
D5	A-1	TP4	A-3
D6	B-1	TP5	C-5
D7	B-1	TP6	A-5
D8	A-1	TP7	B-3
D9	B-2	TP8	C-5
D10	B-2	TP9	F-1
D11	A-3	TP10	F-1
D12	A-3	TP11	G-1
D15	C-5	TP12	H-1
D16	C-5	TP13	A-2
D17	B-2	TP14	H-1
E1	A-3	X1	H-3
		X2	A-4
IC1	E-5		
IC2	D-2		
IC3	D-2		
IC4	F-2		
IC5	G-1		
IC6	H-5		
IC7	B-4		
IC8	B-2		
IC9	H-3		
IC10	H-2		
IC11	H-3		
IC12	I-3		
IC13	G-3		
IC14	G-4		
IC15	A-2		
IC16	A-2		
IC17	H-4		
IC18	C-4		
Q2	A-1		
Q3	H-2		
Q4	I-4		
Q5	B-1		
Q6	B-1		
Q7	B-3		
Q8	A-2		





SY-102A; SYSTEM CONTROL

S/N UP TO 10980(EK)



SY-102/A—COMPONENT SIDE—  
1452-124-1 (1)  
BVU-552  
BVU-552P

17-84(a)

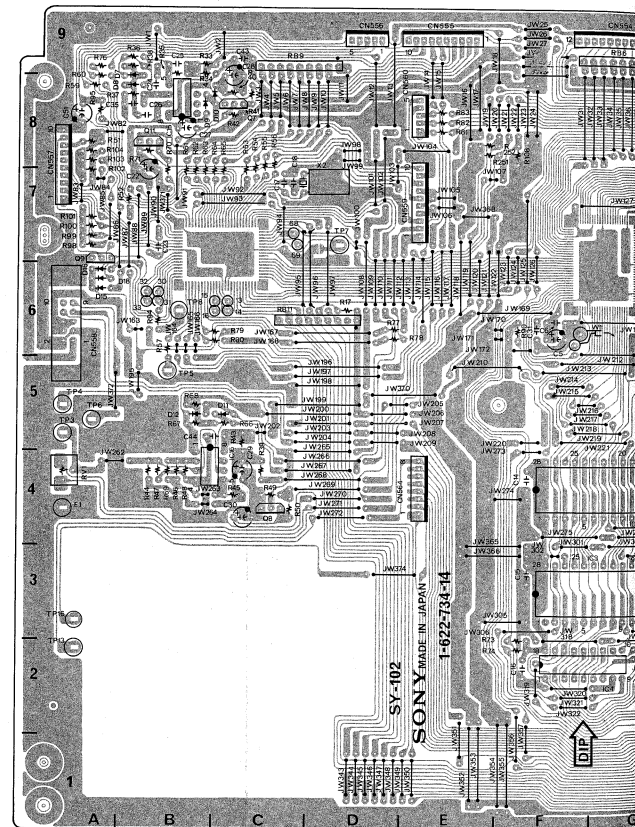
17-85(a)

## SY-102A: SYSTEM CONTROL

S/N 10981 AND HIGHER(EK)

SY-102A (1-622-734-12,13,14)

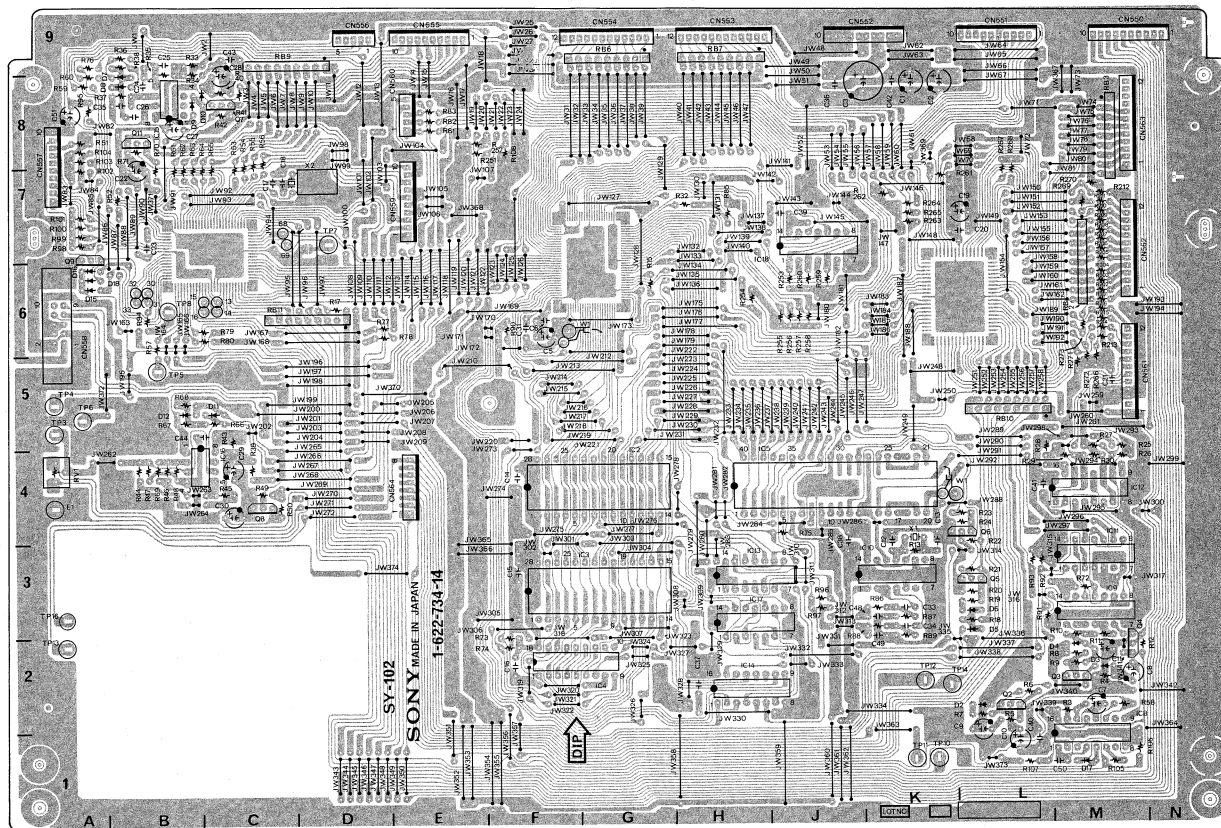
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CN551	L-9		
CN552	K-9	RB2	M-6
CN553	H-9	RB3	M-8
CN554	G-9	RB6	G-9
CN555	E-9	RB7	H-9
CN556	D-9	RB9	C-9
CN557	A-8	RB10	L-5
CN558	A-6	RB11	D-6
CN559	E-7		
CN560	E-8	RV1	A-4
CN561	M-5		
CN562	M-7	TP3	A-5
CN563	M-8	TP4	A-5
CN564	E-4	TP5	B-5
		TP6	A-5
D2	L-2	TP7	D-7
D3	M-2	TP8	B-6
D4	M-2	TP10	K-1
D5	L-2	TP11	K-1
D6	L-3	TP12	K-2
D7	B-8	TP13	A-2
D8	B-8	TP14	K-2
D9	B-8	TP16	A-3
D10	C-8		
D11	C-5	X1	K-3
D12	B-5	X2	D-7
D15	A-6		
D16	A-6		
D17	M-1		
D18	A-6		
E1	A-4		
IC2	G-4		
IC3	G-3		
IC4	G-2		
IC5	J-4		
IC7	D-7		
IC8	M-1		
IC9	M-3		
IC10	K-3		
IC11	M-3		
IC12	M-4		
IC13	H-3		
IC14	H-2		
IC15	B-8		
IC16	C-4		
IC17	H-3		
IC18	J-7		
Q2	L-2		
Q3	M-2		
Q4	M-2		
Q5	L-3		
Q6	L-3		
Q7	C-8		
Q8	C-4		
Q9	A-7		



14)

B-8  
M-6  
M-8  
G-9  
H-9  
C-9  
L-5  
D-6  
  
A-4  
  
A-5  
A-5  
B-5  
A-5  
D-7  
B-6  
K-1  
K-1  
K-2  
A-2  
K-2  
A-3  
  
K-3  
D-7

SY-102A: SYSTEM CONTROL      S/N 10981 AND HIGHER(EK)



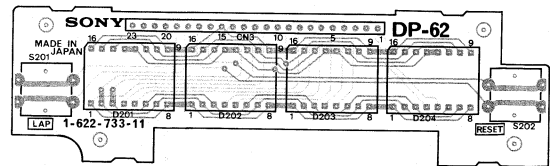
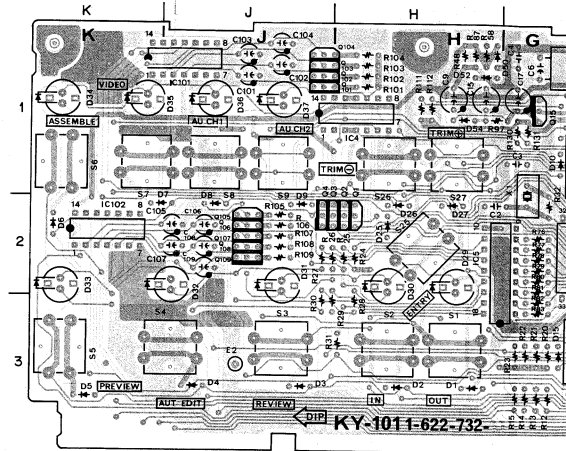
SY-102/A COMPONENT SIDE -  
1-622-734-1 (2, 13, 14)  
BVU 550  
BVU 550P

KY-101; FUNCTION KEY BOARD  
DP-62; DISPLAY

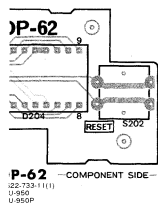
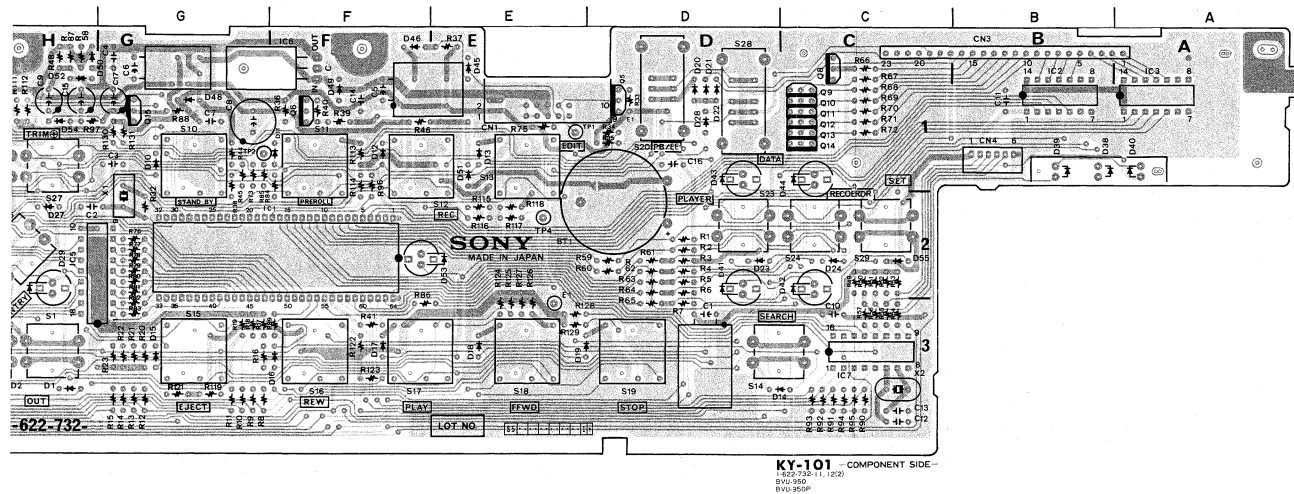
S/N UP TO 12080 (EK)

KY-101 (1-622-732-11, 12)

CN1	E-1	E1	E-3	S25	H-2
CN3	B-1	E2	J-3	S26	H-1
CN4	B-1			S27	H-1
		IC1	F-2	S28	D-1
D1	H-3	IC2	B-1	S29	C-2
D2	H-3	IC3	A-1		
D3	J-3	IC4	H-1	TP1	E-1
D4	J-3	IC5	H-2	TP2	G-1
D5	K-3	IC6	F-1	TP4	E-2
D6	K-2	IC7	C-3		
D7	K-2	IC101	J-1	X1	G-2
D8	J-2	IC102	K-2	X2	C-3
D9	J-2				
D10	G-1	Q1	H-2		
D11	F-1	Q2	H-2		
D12	F-1	Q3	J-2		
D13	E-1	Q4	J-2		
D14	D-3	Q5	D-1		
D15	G-3	Q6	F-1		
D16	F-3	Q8	C-1		
D17	F-3	Q9	C-1		
D18	E-3	Q10	C-1		
D19	E-3	Q11	C-1		
D20	D-1	Q12	C-1		
D21	D-1	Q13	C-1		
D22	D-1	Q14	C-1		
D23	D-2	Q15	G-1		
D24	C-2	Q101	J-1		
D25	H-2	Q102	J-1		
D26	H-2	Q103	J-1		
D27	H-2	Q104	J-1		
D28	D-1	Q105	J-2		
D29	H-2	Q106	J-2		
D30	H-2	Q107	J-2		
D31	J-2	Q108	J-2		
D32	K-2	Q109	J-2		
D33	K-2				
D34	K-1	S1	H-3		
D35	K-1	S2	H-3		
D36	J-1	S3	J-3		
D37	J-1	S4	J-3		
D38	B-1	S5	K-3		
D39	B-1	S6	K-1		
D40	A-1	S7	K-1		
D41	D-2	S8	J-1		
D42	C-2	S9	J-1		
D43	D-1	S10	G-1		
D44	C-1	S11	F-1		
D45	E-1	S12	F-1		
D46	F-1	S13	E-1		
D48	G-1	S14	D-3		
D49	F-1	S15	G-3		
D50	H-1	S16	F-3		
D51	E-1	S17	F-3		
D52	H-1	S18	E-3		
D53	E-2	S19	D-3		
D54	H-1	S20	D-1		
D55	C-2	S23	D-2		
		S24	C-2		



DP-62 - COMPONENT SIDE -  
1-622-733-11 (1)  
BVU-950  
BVU-950P

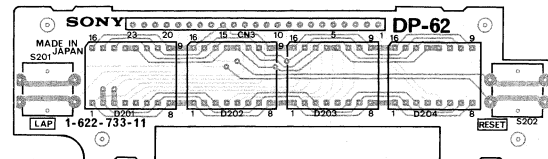
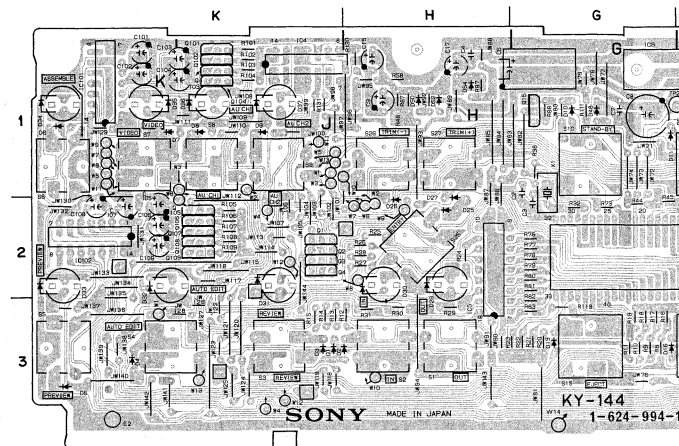


KY-144: FUNCTION KEY BOARD  
DP-62: DISPLAY

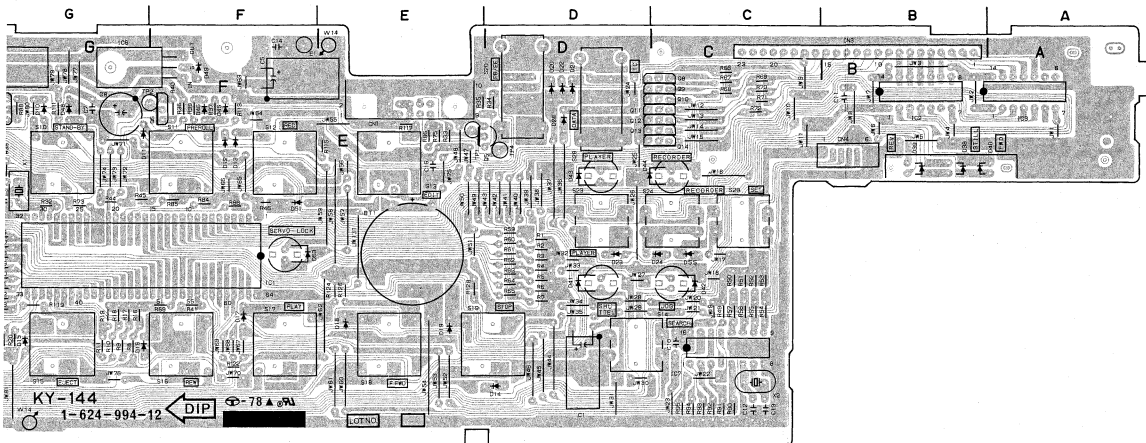
S/N 12081 AND HIGHER(EK)

KY-144 (1-624-994-11,12)

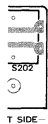
CN1	E1	E1	F1	S24	C2
CN3	B1	E2	K3	S25	H2
CN4	B1			S26	H1
		IC1	F2	S27	H1
D1	J3	IC2	B1	S28	D1
D2	J3	IC3	A1	S29	C2
D3	J3	IC4	J1		
D4	K3	IC5	H2	TP1	E1
D5	K3	IC6	G1	TP2	G1
D6	K1	IC7	C3	TP4	D1
D7	K1	IC101	K1		
D8	J1	IC102	K2	X1	G2
D9	J1			X2	C3
D10	G1	Q1	J2		
D11	G1	Q2	J2		
D12	F1	Q3	J2		
D13	F1	Q4	J2		
D14	D3	Q5	D1		
D15	G3	Q6	F1		
D16	G3	Q8	C1		
D17	F3	Q9	C1		
D18	E3	Q10	C1		
D19	E3	Q11	C1		
D20	D1	Q12	C1		
D21	D1	Q13	C1		
D22	D1	Q14	C1		
D23	D2	Q15	G1		
D24	C2	Q101	J1		
D25	H2	Q102	J1		
D26	H2	Q103	J1		
D27	H2	Q104	J1		
D28	D1	Q105	J2		
D29	H2	Q106	J2		
D30	H2	Q107	J2		
D31	J2	Q108	J2		
D32	K2	Q109	J2		
D33	K3				
D34	K1	S1	H3		
D35	K1	S2	H3		
D36	J1	S3	J3		
D37	J1	S4	K3		
D38	B1	S5	K3		
D39	B1	S6	K1		
D40	B1	S7	K1		
D41	D2	S8	J1		
D42	C2	S9	J1		
D43	D1	S10	G1		
D44	C1	S11	F1		
D45	D1	S12	F1		
D46	D1	S13	E1		
D48	G1	S14	D3		
D49	D1	S15	G3		
D50	H1	S16	F3		
D51	F2	S17	F3		
D52	H1	S18	E3		
D53	F2	S19	D3		
D54	H1	S20	D1		
D55	C2	S23	D2		



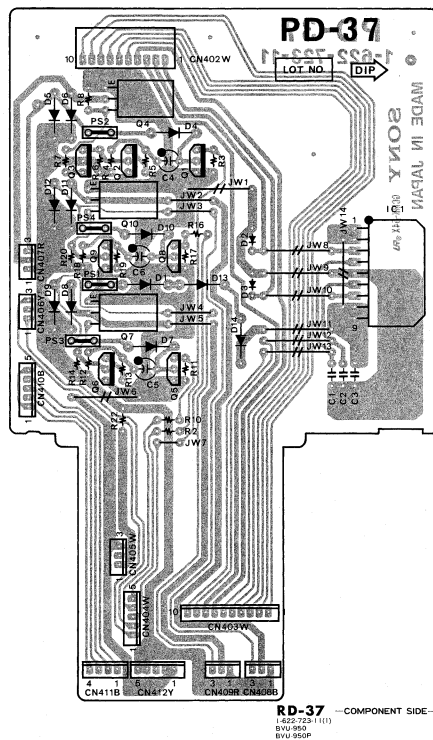
DP-62 COMPONENT SIDE  
1-622-733-11(1)  
BVU-556  
BVU-556P



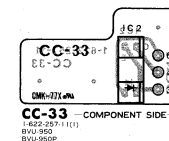
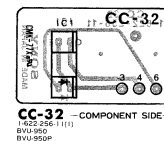
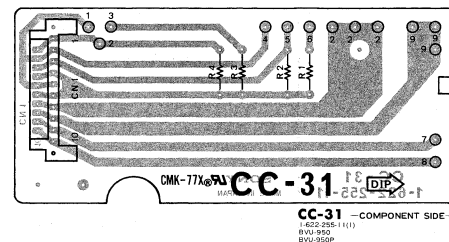
**KY-144** - COMPONENT SIDE -  
1-624-994-11, 12(1)  
BVU-950  
BVU-950P



PD-37; CASSETTE-UP COMPARTMENT MOTOR DRIVER/SOLENOID DRIVER  
 CC-31; CASSETTE COMPARTMENT DRIVER  
 CC-32; CASSETTE DOWN DETECTOR  
 CC-33; CASSETTE IN DETECTOR  
 CC-36; CASSETTE DOWN DETECTOR  
 CC-37; CASSETTE IN DETECTOR

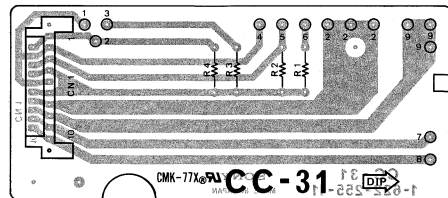


S/N UP TO 13680 (EK)

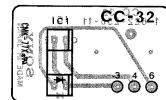




S/N UP TO 13680 (EK)



**CC-31** — COMPONENT SIDE —  
1-625-255-1(1)  
BVU-950  
BVU-950P

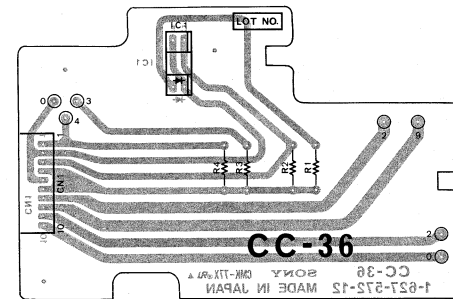


**CC-32** — COMPONENT SIDE —  
1-625-255-1(1)  
BVU-950  
BVU-950P

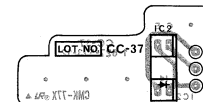


**CC-33** — COMPONENT SIDE —  
1-625-257-1(1)  
BVU-950  
BVU-950P

S/N 13681 AND HIGHER (EK)

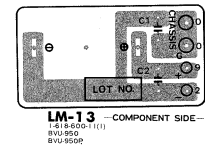


**CC-36** — COMPONENT SIDE —  
1-627-575-2(1)  
BVU-950  
BVU-950P



**CC-37** — COMPONENT SIDE —  
1-627-573-12(1)  
BVU-950  
BVU-950P

LM-13; THREADING MOTOR



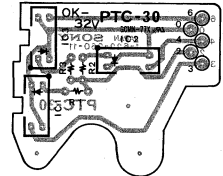
PH-5(A): TAPE TOP LED  
 PH-5(B): TAPE TOP SENSOR  
 PH-5(C): TAPE END LED  
 PTC-26: TAPE END SENSOR  
 PTC-30: SP, MISS REC. KCA DETECTOR  
 PTC-32: SEARCH DIAL  
 PTC-33: FR STOP DETECTOR  
 PTC-34: UNTHREAD END DETECTOR



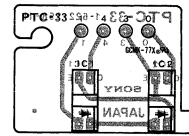
**PH-5(A),(B),(C)**  
 —COMPONENT SIDE—  
 1-603-737-1 (11)  
 BVU-950  
 BVU-950P



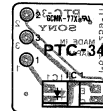
**PTC-26** —COMPONENT SIDE—  
 1-622-721-1 (11)  
 BVU-950  
 BVU-950P



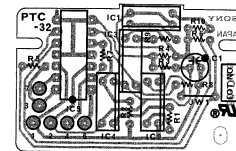
**PTC-30** —COMPONENT SIDE—  
 1-622-250-1 (11)  
 BVU-950  
 BVU-950P



**PTC-33** —COMPONENT SIDE—  
 1-622-258-1 (11)  
 BVU-950  
 BVU-950P



**PTC-34** —COMPONENT SIDE—  
 1-622-258-1 (11)  
 BVU-950  
 BVU-950P

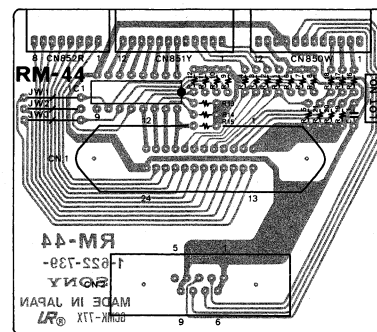


**PTC-32** —COMPONENT SIDE—  
 1-622-638-1 (11)  
 BVU-950  
 BVU-950P

RM-44      RM-44

RM-44; REMOTE CONTROL(9PIN & 24PIN)

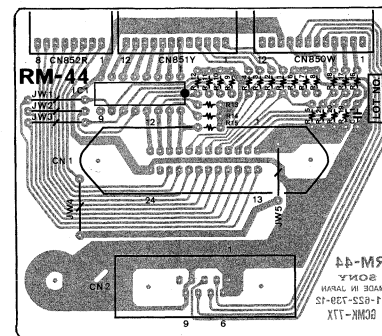
**S/N UP TO 10380(EK)**



**RM-44** —COMPONENT SIDE—  
1-622-739-11(1)  
BVU-950  
BVU-950P

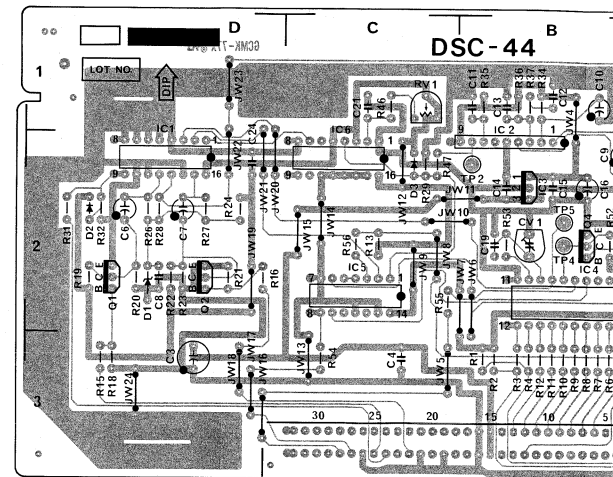
**RM-44**

**S/N 10381 AND HIGHER(EK)**



**RM-44** — COMPONENT SIDE —  
1-622-739-12(1)  
BVU-950  
BVU-950P

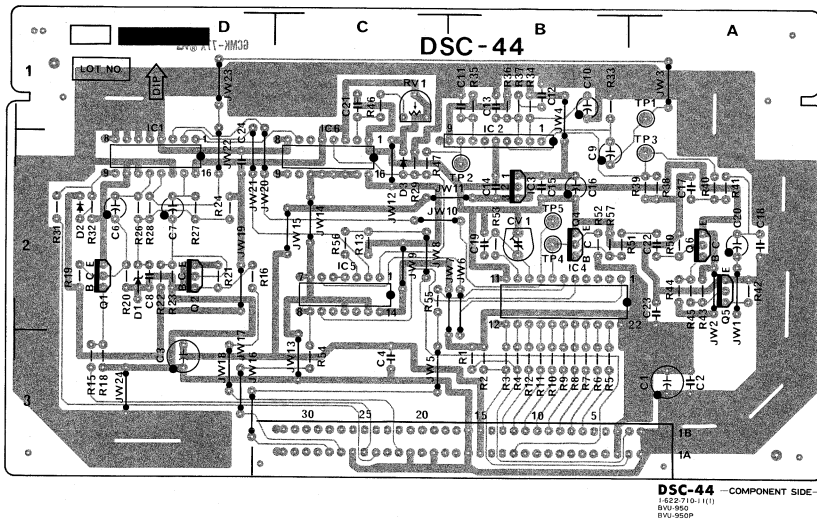
TP1	A-1
TP2	B-2
TP3	A-2
TP4	B-2
TP5	B-2



DSC-44: CHARACTER GENERATOR

S/N UP TO 10380(EK)

2-710-11)



## DSC-44: CHARACTER GENERATOR

S/N 10381 TO 11280(EK)

DSC-44 (1-622-710-12)

CV1 B-2

D1 D-2

D2 D-2

D3 C-2

IC1 D-2

IC2 B-2

IC3 B-2

IC4 B-2

IC5 C-2

IC6 C-2

Q1 D-2

Q2 D-2

Q4 B-2

Q5 A-2

Q6 A-2

RV1 C-1

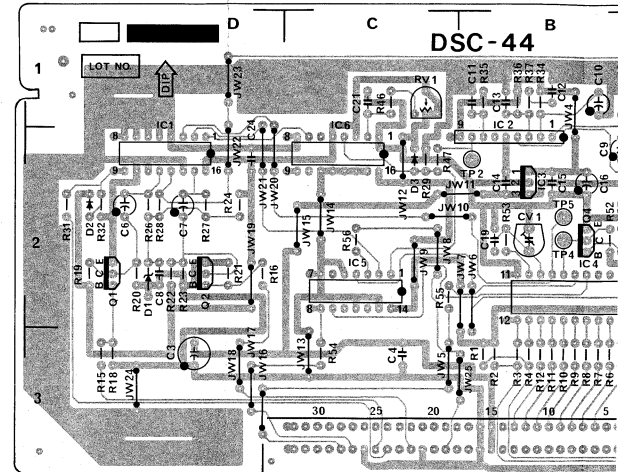
TP1 A-1

TP2 B-2

TP3 A-2

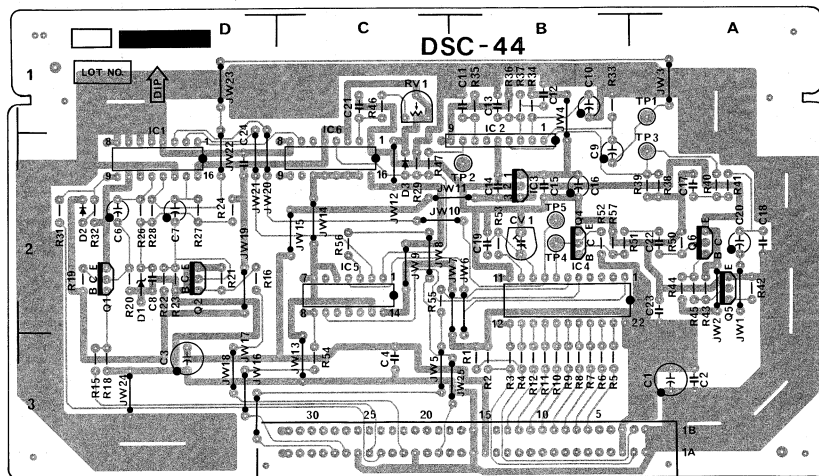
TP4 B-2

TP5 B-2





**S/N 10381 TO 11280(EK)**



**DSC-44** — COMPONENT SIDE—  
1-622-710-12(1)  
BVU-950  
BVU-950P

DSC-44: CHARACTER GENERATOR

S/N 11281 AND HIGHER(EK)

DSC44 (1-622-710-13)

CV1 B-2

D1 D-2

D2 D-2

D3 C-2

IC1 D-2

IC2 B-2

IC3 B-2

IC4 B-2

IC5 C-2

IC6 C-2

Q1 D-2

Q2 D-2

Q4 B-2

Q5 A-2

Q6 A-2

RV1 C-1

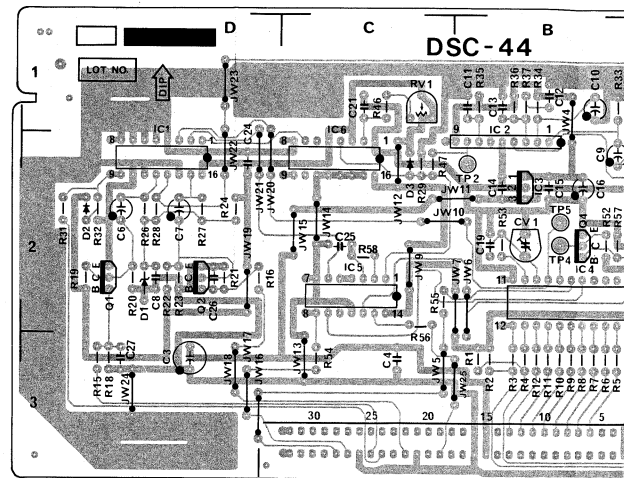
TP1 A-1

TP2 B-2

TP3 A-2

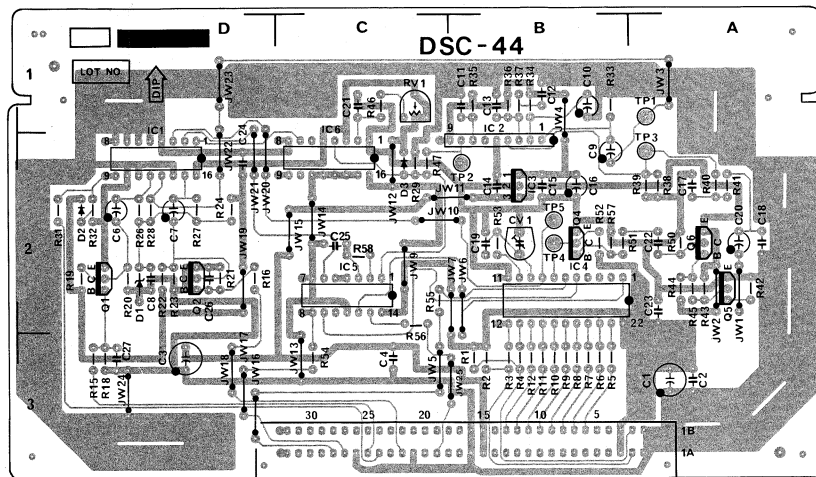
TP4 B-2

TP5 B-2



## DSC-44: CHARACTER GENERATOR

S/N 11281 AND HIGHER(EK)

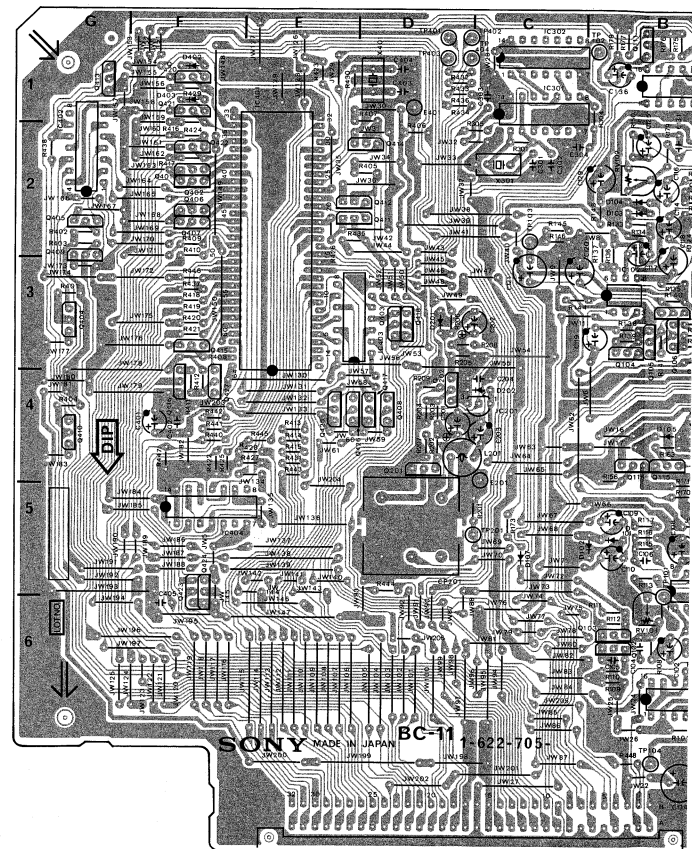


**DSC-44** - COMPONENT SIDE -  
-622-710-13(1)  
BVU-399  
BVU-350P

BC-11: VIDEO/AUDIO TIMING CONTROL, TIME CODE REC/PB AMPLIFIER, FULL ERASE OSCILLATOR  
 HN-84: TIME CODE HEAD

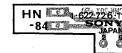
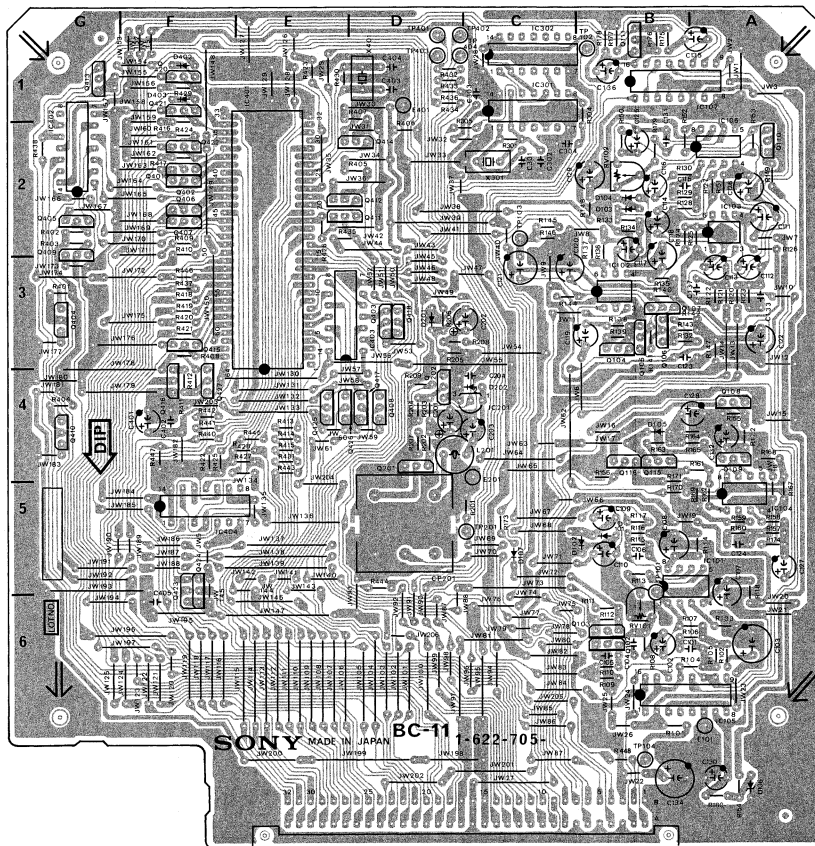
BC-11 (1-622-705-11,12)

CP201	D-5	Q414	D-2
D101	B-5	Q415	F-3
D102	C-5	Q416	F-4
D103	B-2	Q417	D-4
D104	B-2	Q418	D-3
D105	B-4	Q420	F-1
D106	A-6	Q421	F-1
D107	C-5	Q422	F-2
D201	D-3	Q423	F-5
D202	C-4	Q424	F-5
D402	F-1	Q425	E-4
D403	F-1	Q426	E-4
		Q427	F-4
E101	A-6		
E201	C-4	RV101	B-6
E401	D-1	RV102	B-2
IC101	B-5	TP101	B-5
IC102	B-3	TP102	B-1
IC103	A-2	TP103	C-2
IC104	A-5	TP104	B-6
IC105	B-6	TP201	C-5
IC106	A-2	TP401	D-1
IC107	B-1	TP402	D-1
IC201	C-4	TP403	D-1
IC301	C-1	TP404	D-1
IC302	C-1		
IC401	E-2	X301	C-2
IC402	G-2	X401	D-1
IC403	E-3		
IC404	F-5		
Q102	B-6		
Q103	B-6		
Q104	B-3		
Q105	B-3		
Q106	B-3		
Q107	B-3		
Q108	A-4		
Q109	A-4		
Q110	A-2		
Q111	B-1		
Q115	B-4		
Q116	B-4		
Q201	D-4		
Q202	D-4		
Q401	F-2		
Q402	F-2		
Q403	D-3		
Q404	G-3		
Q405	G-2		
Q406	F-2		
Q407	F-2		
Q408	D-4		
Q409	G-2		
Q410	G-4		
Q411	E-2		
Q412	E-2		
Q413	G-1		



BC-11: VIDEO/AUDIO TIMING CONTROL, TIME CODE REC/PB AMPLIFIER, FULL ERASE OSCILLATOR  
 HN-84: TIME CODE HEAD

S/N UP TO 10980(EK)



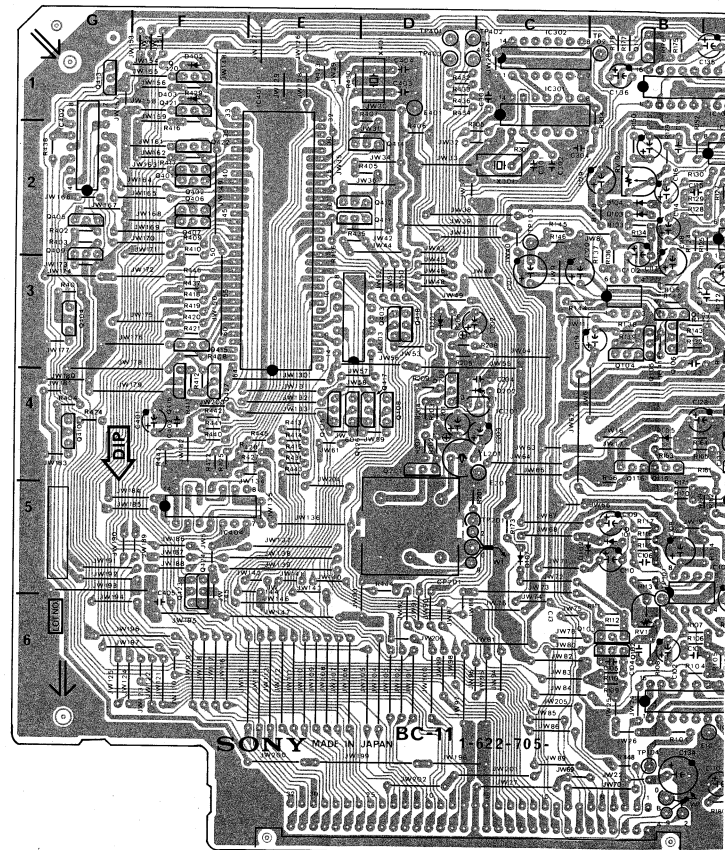
**HN-84** — COMPONENT SIDE —  
 1-622-705-11(1)  
 BVU-950  
 BVU-950P

**BC-11** — COMPONENT SIDE —  
 1-622-705-11, (20)  
 BVU-950  
 BVU-950P

BC-11: VIDEO/AUDIO TIMING CONTROL, TIME CODE REC/PB AMPLIFIER, FULL ERASE OSCILLATOR  
HN-84: TIME CODE HEAD

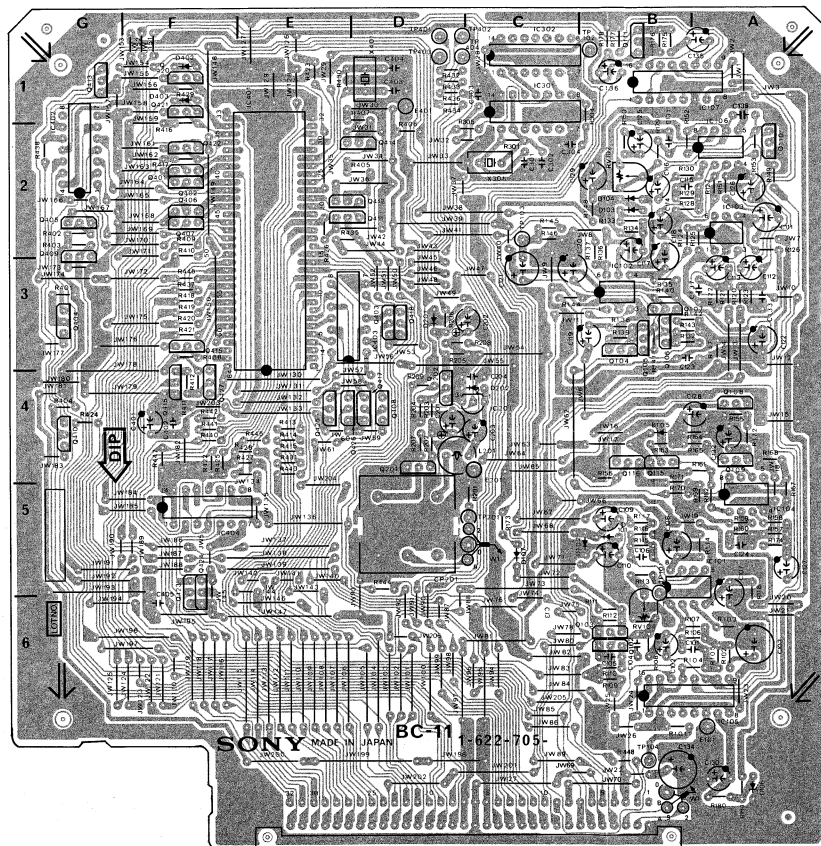
BC-11 (1-622-705-13,14)

CP201	D-5	Q414	D-2
D101	B-5	Q415	F-3
D102	C-5	Q416	F-4
D103	B-2	Q417	D-4
D104	B-2	Q418	D-3
D105	B-4	Q420	F-1
D106	A-6	Q421	F-1
D107	C-5	Q422	F-2
D201	D-3	Q423	F-5
D202	C-4	Q424	F-5
D402	F-1	Q425	E-4
D403	F-1	Q426	E-4
		Q427	F-4
E101	A-6		
E201	C-4	RV101	B-6
E401	D-1	RV102	B-2
IC101	B-5	TP101	B-5
IC102	B-3	TP102	B-1
IC103	A-2	TP103	C-2
IC104	A-5	TP104	B-6
IC105	B-6	TP201	C-5
IC106	A-2	TP401	D-1
IC107	B-1	TP402	D-1
IC201	C-4	TP403	D-1
IC301	C-1	TP404	D-1
IC302	C-1		
IC401	E-2	X301	C-2
IC402	G-2	X401	D-1
IC403	E-3		
IC404	F-5		
Q102	B-6		
Q103	B-6		
Q104	B-3		
Q105	B-3		
Q106	B-3		
Q107	B-3		
Q108	A-4		
Q109	A-4		
Q110	A-2		
Q111	B-1		
Q115	B-4		
Q116	B-4		
Q201	D-4		
Q202	D-4		
Q401	F-2		
Q402	F-2		
Q403	D-3		
Q404	G-3		
Q405	G-2		
Q406	F-2		
Q407	F-2		
Q408	D-4		
Q409	G-2		
Q410	G-4		
Q411	E-2		
Q412	E-2		
Q413	G-1		



BC-11: VIDEO/AUDIO TIMING CONTROL, TIME CODE REC/PB AMPLIFIER, FULL ERASE OSCILLATOR  
 HN-84: TIME CODE HEAD

S/N 10981 AND HIGHER(EK)



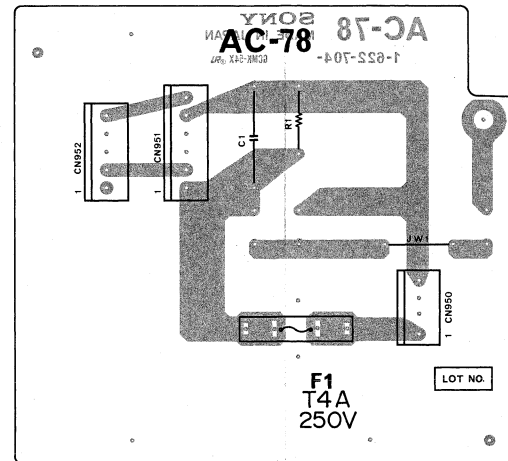
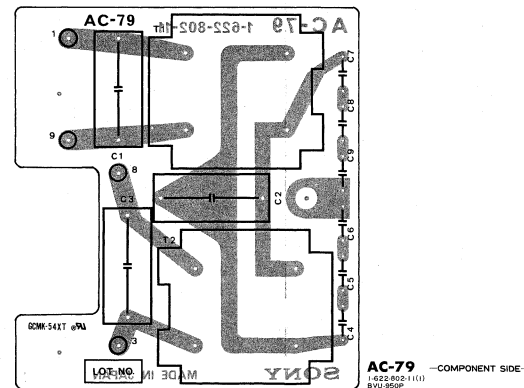
**HN-84** — COMPONENT SIDE —  
 1-622-726-11(1)  
 BVU-950  
 BVU-950P

**BC-11** — COMPONENT SIDE —  
 1-622-705-13, 14(1)  
 BVU-950  
 BVU-950P

AC-78A: AC PRIMARY CIRCUIT

AC-79: LINE FILTER

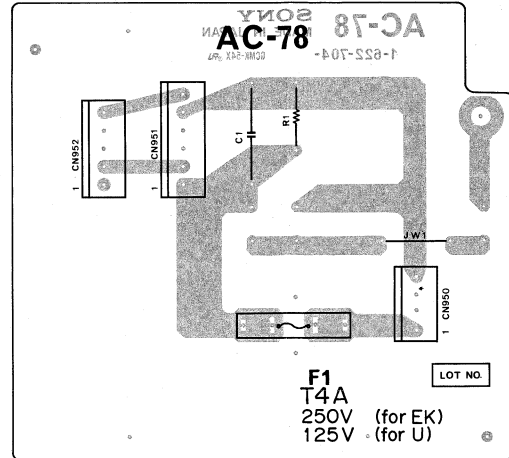
S/N UP TO 10380(EK)

AC-78A —COMPONENT SIDE—  
1-822-704-1 (1, 1212)  
8VU-950PAC-79 —COMPONENT SIDE—  
1-822-704-1 (1, 1212)  
8VU-950P



**AC-78A; AC PRIMARY CIRCUIT**

**S/N 10381 AND HIGHER(EK)**

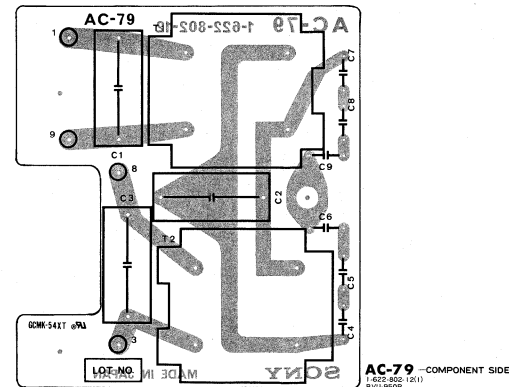


**AC-78/78A** —COMPONENT SIDE—

1-622-704-11, 12(2)  
BVU-950P

## AC-79; LINE FILTER

**S/N 10381 TO 14270 (EK)**



**AC-79** —COMPONENT SIDE—  
1-622-802-12(1)  
REV. 950P

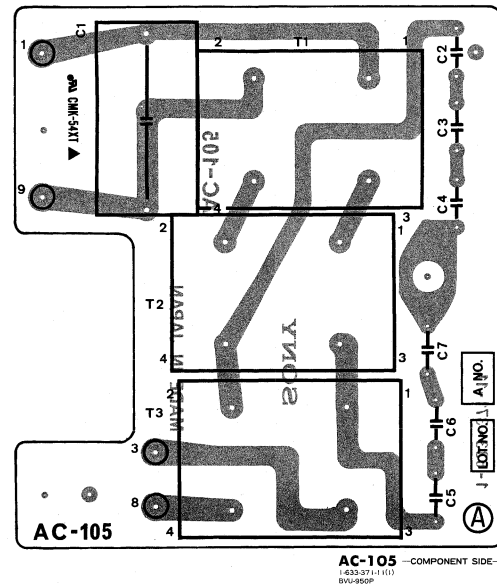
1-622-802-12(1)  
REV. 950P

AC-105

AC-105

AC-105; LINE FILTER

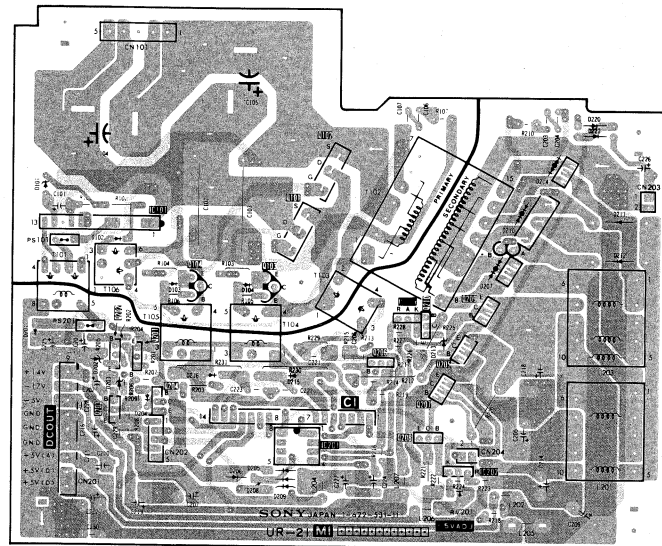
S/N 14271 AND HIGHER (EK)



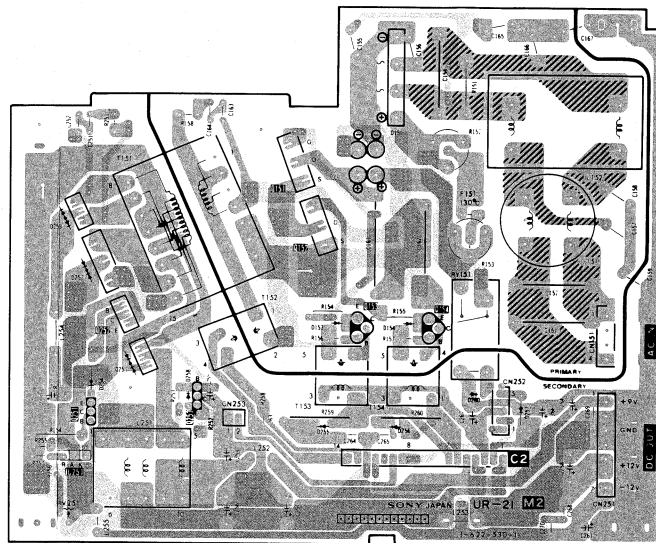
UR-21: SWITCHING REGULATOR

S/N UP TO 12080 (EK)

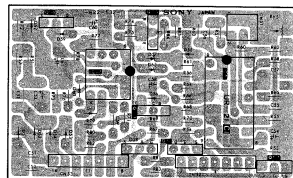
C1  
C2  
M1  
M2



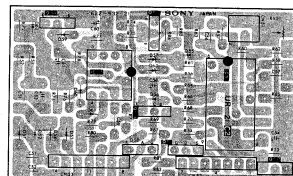
**M1 - SOLDERING SIDE -**  
1-622-532-1(1)  
BVU-950  
BVU-950P



**M2 - SOLDERING SIDE -**  
1-622-532-1(1)  
BVU-950  
BVU-950P



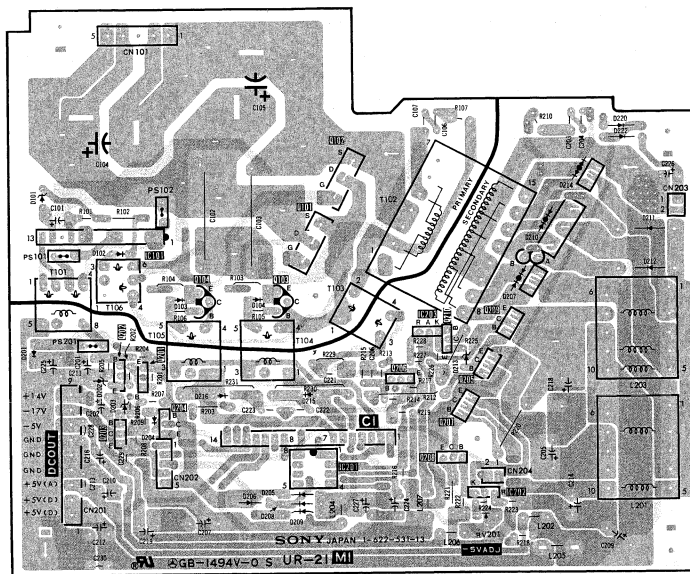
**C1 - SOLDERING SIDE -**  
1-622-532-1(1)  
BVU-950  
BVU-950P



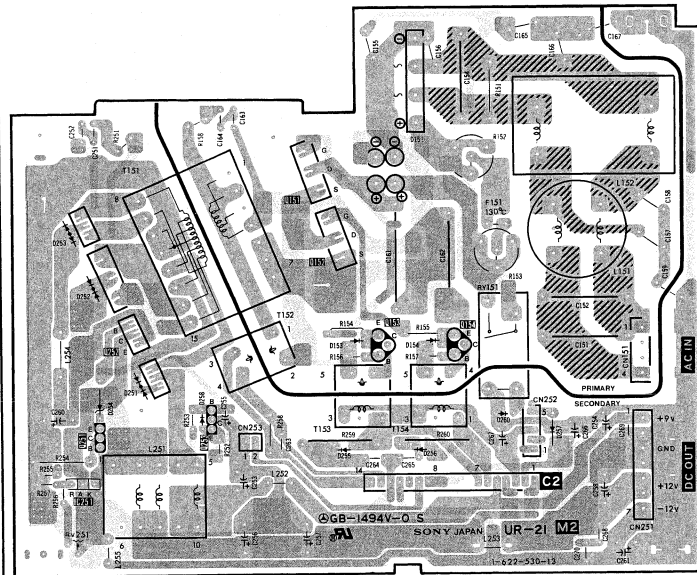
**C2 - SOLDERING SIDE -**  
1-622-532-1(1)  
BVU-950  
BVU-950P

## UR-21: SWITCHING REGULATOR

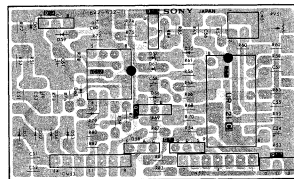
S/N 12081 AND HIGHER (EK)

C1  
C2  
M1  
M2

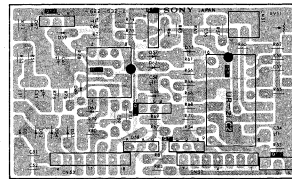
**M1 - SOLDERING SIDE -**  
 1-622-530-12(1)  
 BVU-950  
 BVU-950P



**M2 - SOLDERING SIDE -**  
 1-622-530-12(1)  
 BVU-950  
 BVU-950P



**C1 - SOLDERING SIDE -**  
 1-622-530-12(1)  
 BVU-950  
 BVU-950P



**C2 - SOLDERING SIDE -**  
 1-622-530-12(1)  
 BVU-950  
 BVU-950P

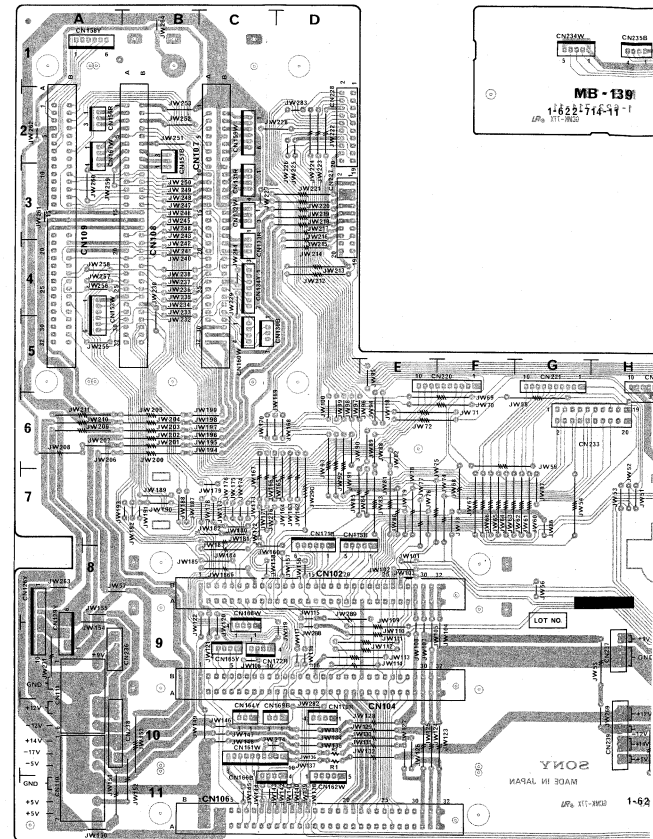
MB-127: MOTHER BOARD  
MB-139: SUB MOTHER FOR TC

S/N UP TO 10980(EK)

MB-127 (1-622-713-11, 12)

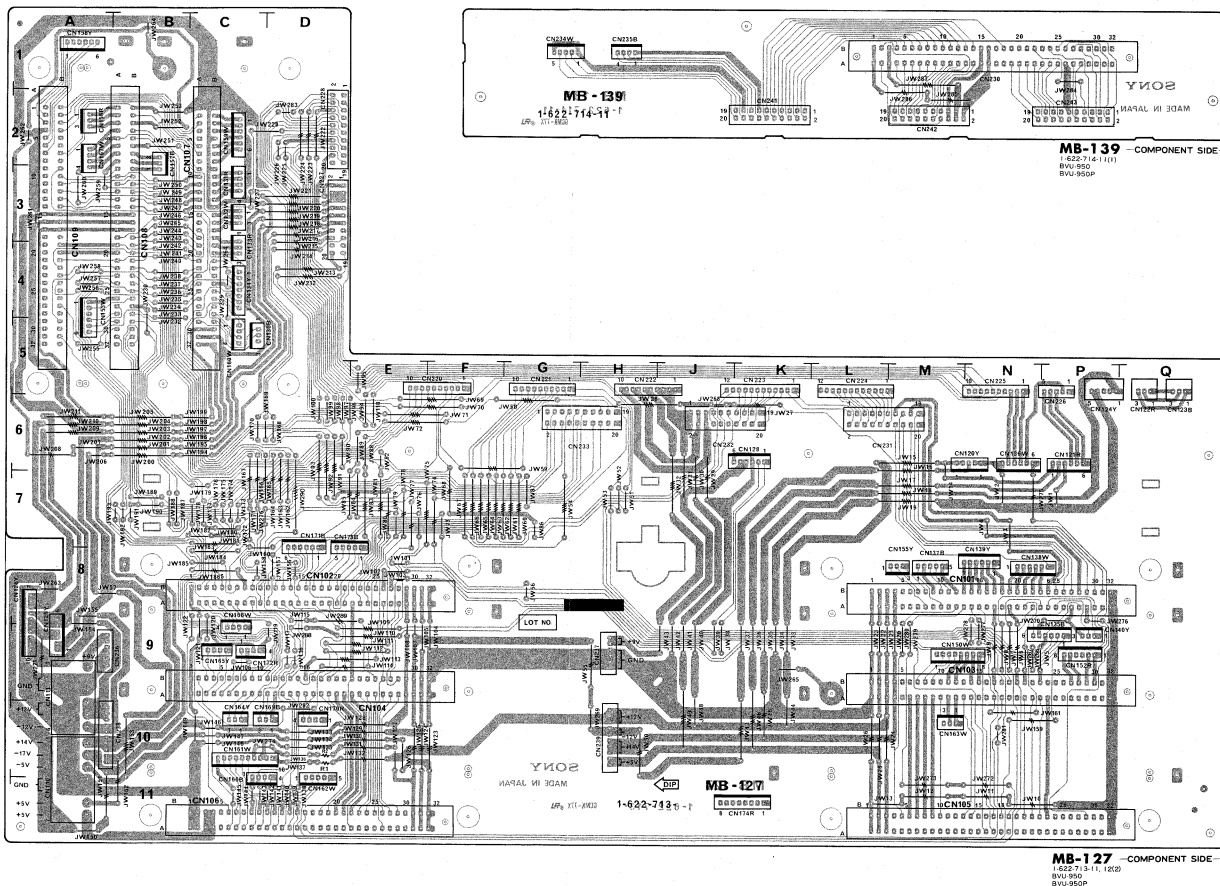
CN101	N-8	CN226	P-5
CN102	D-8	CN227	D-3
CN103	N-9	CN228	D-2
CN104	D-9	CN231	L-6
CN105	N-11	CN232	J-6
CN106	C-11	CN233	H-6
CN107	C-2	CN236	A-9
CN108	B-3	CN237	H-9
CN109	A-3	CN238	A-10
CN110	A-11	CN239	H-10
CN111	A-9		
CN120	N-6		
CN121	P-6		
CN122	Q-5		
CN123	Q-5		
CN124	P-5		
CN126	A-8		
CN128	K-6		
CN129	A-9		
CN130	C-5		
CN131	C-3		
CN132	C-3		
CN133	C-4		
CN134	C-4		
CN135	P-9		
CN136	N-6		
CN137	M-8		
CN138	N-8		
CN139	N-8		
CN140	P-9		
CN150	M-9		
CN152	P-9		
CN153	A-4		
CN155	M-8		
CN156	A-2		
CN157	B-2		
CN158	A-1		
CN159	C-2		
CN160	C-5		
CN161	C-10		
CN162	D-11		
CN163	M-10		
CN164	C-10		
CN165	C-9		
CN166	D-11		
CN167	A-2		
CN168	C-9		
CN169	D-10		
CN170	D-10		
CN171	D-7		
CN172	C-9		
CN174	K-11		
CN175	D-7		
CN220	F-5		
CN221	G-5		
CN222	H-5		
CN223	K-5		
CN224	L-5		
CN225	N-5		

17-137(a)



17-138(a)

P-5  
D-3  
D-2  
L-6  
J-6  
H-6  
A-9  
H-9  
A-10  
H-10

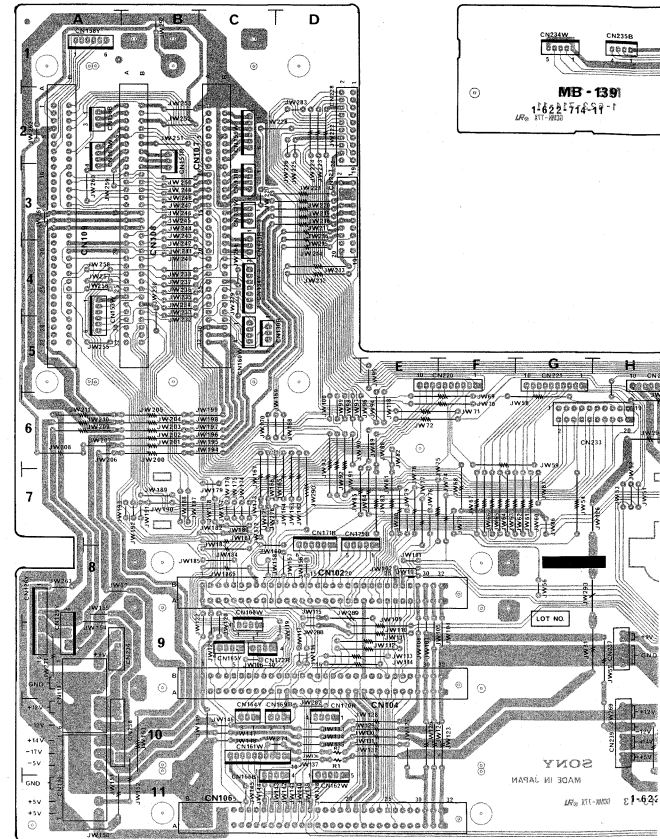


MB-127; MOTHER BOARD  
MB-139; SUB MOTHER FOR TC

S/N 10981 AND HIGHER(EK)

MB-127 (1-622-713-13)

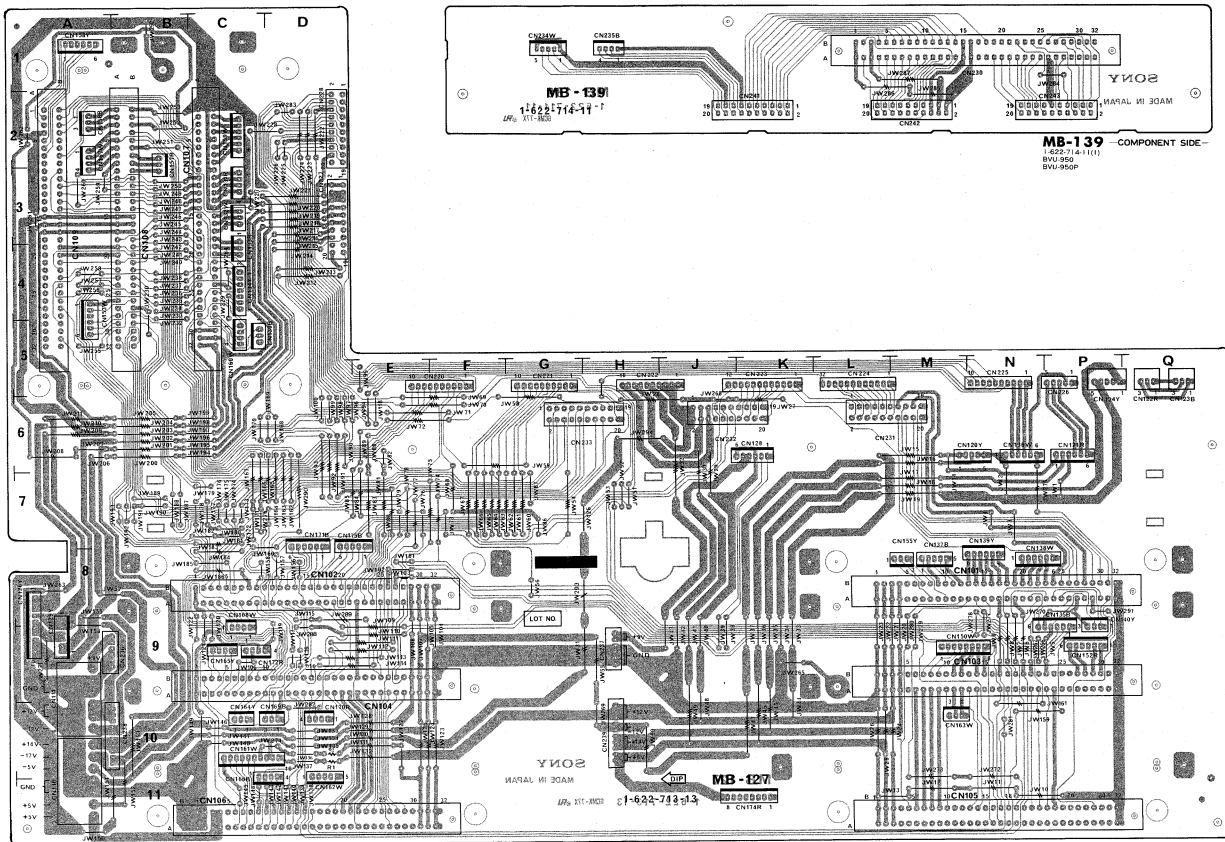
CN101	N-8	CN226	P-5
CN102	D-8	CN227	D-3
CN103	N-9	CN228	D-2
CN104	D-9	CN231	L-6
CN105	N-11	CN232	J-6
CN106	C-11	CN233	H-6
CN107	C-2	CN236	A-9
CN108	B-3	CN237	H-9
CN109	A-3	CN238	A-10
CN110	A-11	CN239	H-10
CN111	A-9		
CN120	N-6		
CN121	P-6		
CN122	Q-5		
CN123	Q-5		
CN124	P-5		
CN126	A-8		
CN128	K-6		
CN129	A-9		
CN130	C-5		
CN131	C-3		
CN132	C-3		
CN133	C-4		
CN134	C-4		
CN135	P-9		
CN136	N-6		
CN137	M-8		
CN138	N-8		
CN139	N-8		
CN140	P-9		
CN150	M-9		
CN152	P-9		
CN153	A-4		
CN155	M-8		
CN156	A-2		
CN157	B-2		
CN158	A-1		
CN159	C-2		
CN160	C-5		
CN161	C-10		
CN162	D-11		
CN163	M-10		
CN164	C-10		
CN165	C-9		
CN166	D-11		
CN167	A-2		
CN168	C-9		
CN169	D-10		
CN170	D-10		
CN171	D-7		
CN172	C-9		
CN174	K-11		
CN175	D-7		
CN220	F-5		
CN221	G-5		
CN222	H-5		
CN223	K-5		
CN224	L-5		
CN225	N-5		



MB-127: MOTHER BOARD  
MB-139: SUB MOTHER FOR TC

S/N 10981 AND HIGHER(EK)

6 P-5  
7 D-3  
8 D-2  
11 L-6  
12 J-6  
13 H-6  
16 A-9  
17 H-9  
18 A-10  
19 H-10



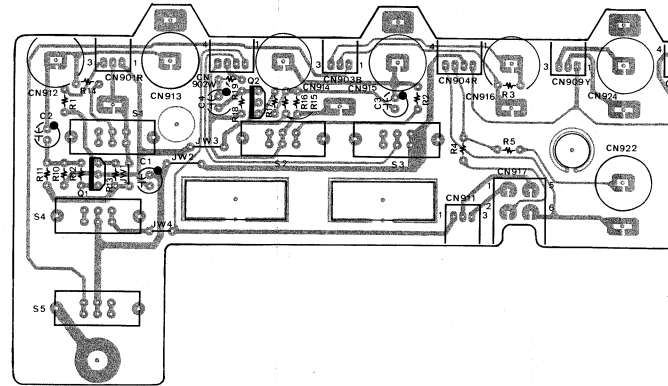
17-138(b)

17-139(b)

MB-127 — COMPONENT SIDE—  
1-632-713-13(1)  
BVU 950  
BVU 950P



CP-109; CONNECTOR PANEL



[illegible]

**CP-109** —COMPONENT SIDE—  
1-622-706-11, 12(I)  
BVU-950  
BVU-950P

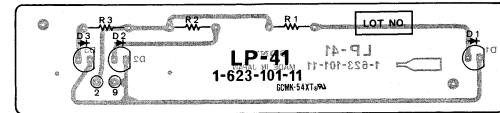
HN-83,LP-41,RM-45

HN-83,LP-41,RM-45

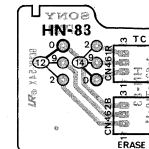
HN-83: RELAY BOARD FOR TIME CODE HEAD/ERASE HEAD

LP-41: CASSETTE COMPARTMENT LIGHT

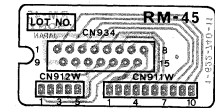
RM-45: TBC REMOTE CONTROL



**LP-41** —COMPONENT SIDE—  
1-623-101-11(1)  
BVU-950  
BVU-950P



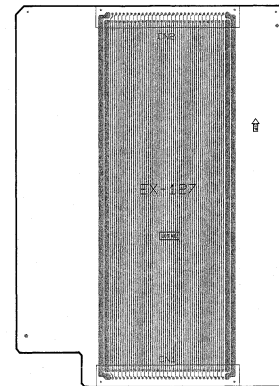
**HN-83** —COMPONENT SIDE—  
1-622-719-1(1)  
BVU-950  
BVU-950P



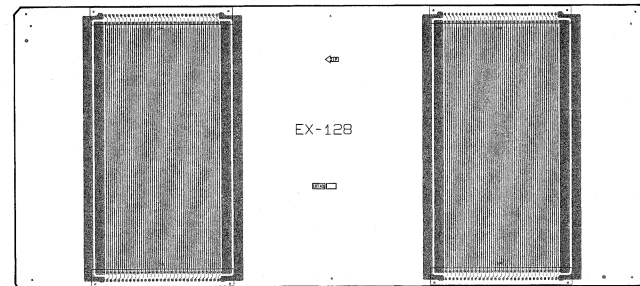
**RM-45** —COMPONENT SIDE—  
1-622-740-1(1)  
BVU-950  
BVU-950P

EX-127; EXTENSION BOARD FOR AUDIO/TIME CODE

EX-128; EXTENSION BOARD FOR VIDEO/SERVO/TBC



**EX-127** —COMPONENT SIDE—  
1-622-711-11(1)  
BVU-950  
BVU-950P



**EX-128** —COMPONENT SIDE—  
1-622-712-11(1)  
BVU-950  
BVU-950P

## SECTION 18 SPARE PARTS AND FIXTURE

### 18-1. PARTS INFORMATION

(1)

The shaded and  $\Delta$ -marked components are critical to safety.  
Replace only with same components as specified.

- (2) Replacement Parts supplied from the Sony Parts Center will sometimes have a different shape from the original parts. This is due to "improved parts and/or engineering changes" or "standardization of genuine parts". This manual's exploded views and electrical spare parts list indicate the part numbers of "the standardized genuine parts at the present". Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.
- (3) The parts marked with "s" in the SP column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
- (4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- (5) ( T ) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for the use. (Example) Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

### PARTS CHANGE INFORMATION

.In this parts list, \*\*) marked parts are design-changed.  
.Applicable Serial No. are as follows;

- 1) Marked parts are for Serial No. up to 10080.
- 2) Marked parts are for Serial No. 10081 and higher.
- 3) Marked parts are for Serial No. up to 10380.
- 4) Marked parts are for Serial No. 10381 and higher.
- 5) Marked parts are for Serial No. up to 10980.
- 6) Marked parts are for Serial No. 10981 and higher.
- 7) Marked parts are for Serial No. up to 11280.
- 8) Marked parts are for Serial No. 11281 and higher.
- 9) Marked parts are for Serial No. up to 11680.
- 10) Marked parts are for Serial No. 11681 and higher.
- 11) Marked parts are for Serial No. up to 13680.
- 12) Marked parts are for Serial No. 13681 and higher.
- 13) Marked parts are for Serial No. up to 13730.
- 14) Marked parts are for Serial No. 13731 and higher.
- 15) Marked parts are for Serial No. up to 13990.
- 16) Marked parts are for Serial No. 13991 and higher.
- 17) Marked parts are for Serial No. up to 14190.
- 18) Marked parts are for Serial No. 14191 and higher.
- 19) Marked parts are for Serial No. up to 14270.
- 20) Marked parts are for Serial No. 14271 and higher.
- 21) Marked parts are for Serial No. up to 14370.
- 22) Marked parts are for Serial No. 14371 and higher.
- 23) Marked parts are for Serial No. up to 14420.
- 24) Marked parts are for Serial No. 14421 and higher.
- 25) Marked parts are for Serial No. up to 14535.
- 26) Marked parts are for Serial No. 14536 and higher.
- 27) Marked parts are for Serial No. up to 14645.
- 28) Marked parts are for Serial No. 14646 and higher.

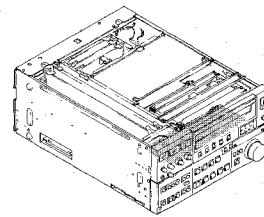
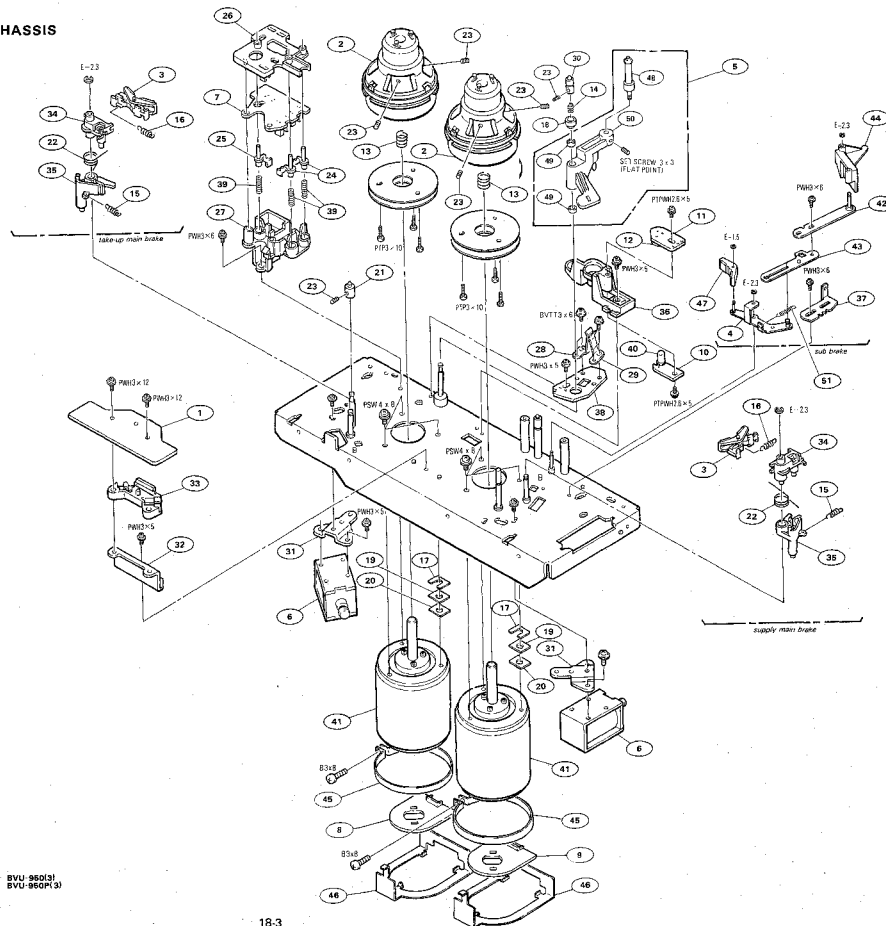
## 18-2. EXPLODED VIEW

. Exploded views are composed of the following blocks.

- (1) Reel Chassis
  - supply reel table
  - take-up reel table
  - supply main brake
  - take-up main brake
  - sub brake
  - take-up tension detector
  - TRC detector
  - reel motors
  - reel table rotation detector
- (2) Threading Ring Block
  - threading ring
  - gear box
  - T correction guide
  - tape beginning sensor
  - FR detector
- (3) Threading Arm
  - T drawer arm
  - S drawer arm
  - S drawer roller
  - drawer lever
- (4) Drum and Capstan Blocks
  - head drum
  - capstan motor
  - audio/ CTL head
  - tape guides
- (5) Erase Head Base
  - erase head base
  - S guard
  - supply tension detector
- (6) Pinch Lever and Pinch Solenoid Blocks
  - pinch lever
  - pinch roller pre-set cam
  - pinch solenoid
- (7) Cassette-up Compartment Block
- (8) Function Control
  - function control board
  - search dial
- (9) Level Control
  - level control board
  - level meter
  - power sw
- (10) Chassis Block (Rear)
  - printed circuit boards
- (11) Chassis Block (Left)
  - printed circuit boards
  - left side panel
- (12) Chassis Block (Right)
  - printed circuit boards
- (13) Chassis Block (Bottom)
  - printed circuit boards
- (14) Chassis Block (Front)
  - TBC control board
  - cassette-up compartment stay
- (15) Connector Panel
- (16) Rear Panel
  - fan motor
  - AC inlet
  - remote connector
  - DBS Ass'y
- (17) Switching Regulator
- (18) Ornamental Panel (1)
  - function control panel
  - search dial
- (19) Ornamental Panel (2)
  - level control panel
- (20) Ornamental Panel (3)
  - U case
  - bottom plate

# REEL CHASSIS REEL CHASSIS

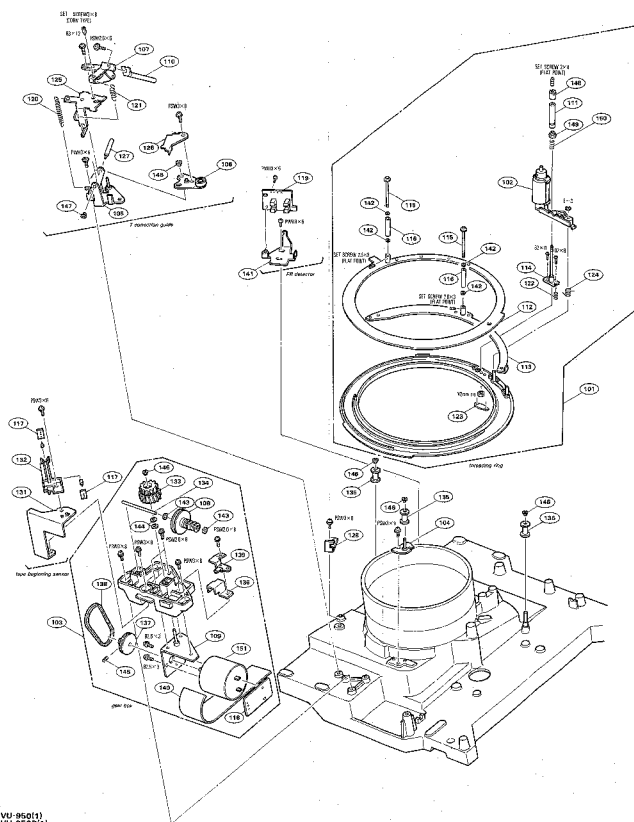
## 1. REEL CHASSIS



No.	Parts No.	SP	Description
1	A-6729-496-A	o	MOUNTED CIRCUIT BOARD, SS-48
2	A-6739-080-A	o	TABLE ASS'Y, REEL
3	X-3668-749-0	s	HOLDER ASS'Y, LINDING
4	X-3718-628-1	s	ARM ASS'Y, SUB BRAKE
5	A-6706-994-A	s	ARM BLOCK ASS'Y, T SENSOR
<b>A6 1-454-417-41</b>			
6	1-454-417-41	s	SOLENOID, FLINGER
7	1-622-260-0	o	RIMTED CIRCUIT BOARD, PTC-30
8	1-622-715-11	o	RIMTED CIRCUIT BOARD, DUB-177
9	1-622-716-11	o	RIMTED CIRCUIT BOARD, DUB-178
10	1-622-717-11	o	RIMTED CIRCUIT BOARD, LE-54
11	1-622-718-11	o	RIMTED CIRCUIT BOARD, PTC-29
12	1-808-332-21	s	DETECTOR ME-1102/S.N
13	2-083-308-03	s	SPRING, (S)
14	3-307-932-00	s	SPRING, COMPRESSION
15	3-333-369-XX	s	SPRING, TENSION (12T)
16	3-548-124-00	s	SPRING, TENSION
17	3-630-035-11	s	SPACER, REEL MOTOR (0.027)
18	3-650-512-00	s	COLLAR, (A)
19	3-651-203-11	s	SPACER, REEL MOTOR (0.051)
20	3-651-203-21	s	SPACER, REEL MOTOR (0.17)
21	3-668-031-00	s	RETAINER (UPPER), CASSETTE
22	3-668-066-00	s	SPRING
23	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
24	3-718-307-01	s	ACTUATOR, TRC
25	3-718-307-11	s	ACTUATOR, TRC
26	3-718-342-01	s	TNC BOX (UPPER)
27	3-718-343-01	s	TNC BOX (LOWER)
28	3-718-629-03	s	SPRING (1), LEAF, T
29	3-718-630-03	s	SPRING (2), LEAF, T
30	3-718-660-01	s	RETAINER (77), CASSETTE
31	3-718-673-01	s	SURFENDER, BS
32	3-718-686-01	s	FLINGER, B
33	3-718-700-01	s	HOLDER, DMS
34	3-718-712-01	s	ARM, BRAKE
35	3-718-713-01	s	ARM, BRAKE RELEASE
36	3-718-741-01	s	HOLDER, T-CDG
37	3-718-767-01	s	SCALE, POWER
38	3-718-770-02	s	BASE, T SPRING
39	4-858-779-00	s	SPRING, COMPRESSION
40	8-719-930-20	s	DIODE HEMP-1302
41	8-835-255-01	s	MOTOR, DC B43278131A
42	X-3718-641-1	s	RIMK ASS'Y, BRAKE RELEASE
43	3-718-764-01	s	RIMK (A), BRAKE RELEASE
44	3-718-766-01	s	ARM, DRIVING
45	3-718-795-01	s	ARM, M
46	3-718-796-01	s	HOLDER, M PC BOARD
47	X-3718-641-1	s	LINDING ASS'Y
48	A-6646-063-A	s	ROLLER BLOCK ASS'Y, G
49	3-698-217-01	s	BEARING (NO PLANCE), BALL
50	3-718-779-01	s	ARM, T SENSOR
51	3-642-753-00	s	SPRING, TENSION

BVU-98031  
BVU-98041

### THREADING RING BLOCK

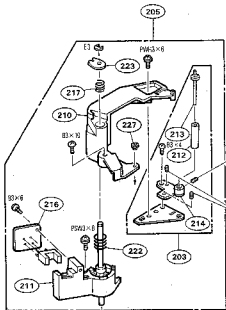


BVU-950(1)  
BVU-950P(1)

No.	Part No.	SP	Description
101	A-6750-222-A	#	HING BLOCK ASSY, MAIN
102	A-6750-223-A	#	PISTON ROLLER BLOCK ASSY
103	A-6750-226-A	#	ROCK BLOCK ASSY, CRANK
104	X-3668-712-0	#	CRANK SHAFT, GUIDE, SR
105	X-3668-712-0	#	CRANK SHAFT, GUIDE
106	X-3668-722-0	#	LOCKER ASSY, FR
107	X-3668-723-0	#	ARM ASSY, GUIDE, T CORRECTION
108	X-3668-724-0	#	ARM ASSY, T, WORN
109	X-3673-704-0	#	CRANK ASSY, MOTOR
110	X-3673-718-2	#	SHAFT ASSY, GUIDE
111	X-3718-602-1	#	ROLLER ASSY, GUIDE PRECEDING
112	X-3718-604-1	#	HING (UPPER) ASSY, SUB
113	X-3718-605-1	#	HING (LOWER) ASSY, SUB
114	X-3718-606-1	#	BAR ASSY, PRECEDING
115	X-3718-607-0	#	SHAFT ASSY, NO
116	X-3718-614-1	#	GUIDE ASSY, TAP
117	X-6187-377-0	#	PRINTED CIRCUIT BOARD, PW-5
118	I-6186-020-0	#	PRINTED CIRCUIT BOARD, PW-33
119	I-622-258-11	#	PRINTED CIRCUIT BOARD, LM-13
120	X-648-067-0	#	SPRING, TENSION
121	X-647-189-0	#	SPRING
122	X-634-196-0	#	SPRING
123	X-658-743-0	#	NET, PLATE, LOCKER, PRECEDING
124	X-658-743-0	#	NET, PLATE, LOCKER, PRECEDING
125	X-668-749-02	#	ARM (A), GUIDE, T CORRECTION
126	X-668-755-00	#	PLATE, ADJUSTMENT, FR, LOCKER
127	X-668-754-00	#	PLATE, GUIDE ARM, T CORRECTION
128	X-668-770-00	#	PLATE, STOPPER, SR
129	X-668-900-00	#	PLATE, STOPPER, SR
130	X-668-901-00	#	HOLDER, T PHOTO
131	X-668-947-00	#	PISTON, L
132	X-668-948-00	#	PISTON, WORN
133	X-669-903-00	#	PISTON, L, FIELD
134	X-669-903-00	#	PISTON, L, FIELD
135	X-672-736-01	#	RETAINER, SHAFT
136	X-672-736-01	#	PULLER, L
137	X-672-737-01	#	BEELT, SQUARE
138	X-672-737-01	#	BEELT, SQUARE
139	X-672-739-01	#	BEELT, L, FIELD
140	X-672-739-01	#	BEELT, L, FIELD
141	X-672-750-00	#	BRACKET, FR DETECTION
142	X-701-437-01	#	WASHER, FOLD 2 NO DIA. 0.25T
143	X-701-437-01	#	WASHER, FOLD 2 NO DIA. 0.25T
144	X-701-439-01	#	SET SCREW, DOUBLE POINT XA
145	X-701-506-01	#	SET SCREW, DOUBLE POINT XA
146	X-701-507-01	#	SET SCREW, DOUBLE POINT XA
147	X-701-507-01	#	SET SCREW, DOUBLE POINT XA
148	X-718-613-01	#	FLANGE, UPPER, PRECEDING GUIDE
149	X-718-614-01	#	FLANGE, LOWER, PRECEDING GUIDE
150	X-738-674-00	#	PISTON
151	X-734-311-00	#	FLYING
152	X-734-311-00	#	FLYING
153	X-734-311-00	#	FLYING
154	X-734-311-00	#	FLYING
155	X-734-311-00	#	FLYING
156	X-734-311-00	#	FLYING
157	X-734-311-00	#	FLYING
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199	X-734-311-00	#	FLYING
200	X-734-311-00	#	FLYING



### THREADING ARM

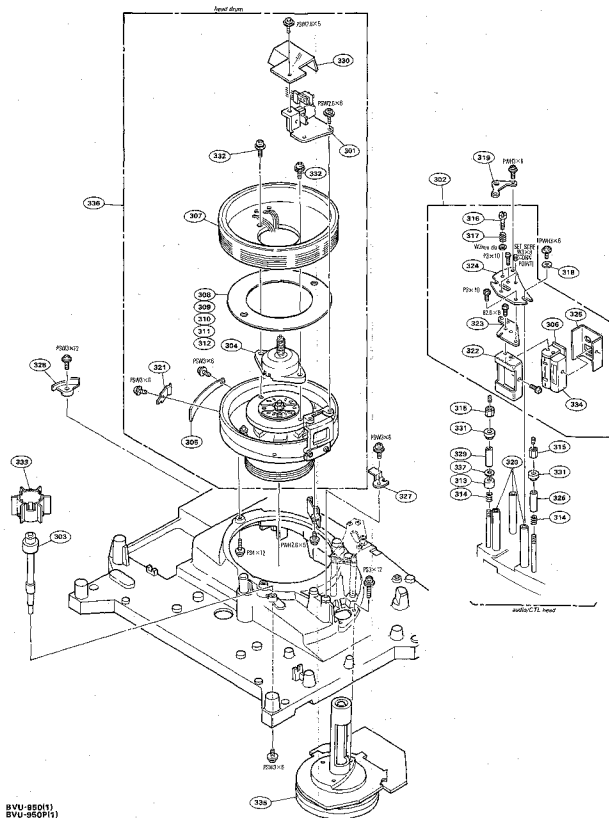
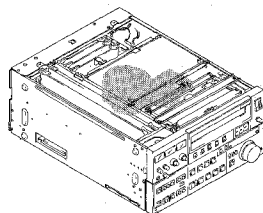


BVU-950(2)  
BVU-950P(2)

No.	Parts No.	SP Description
201	A-6744-025-B	* MOLIER BLOCK ASS'Y (1), S DRAFTER
202	A-6746-030-A	* MOLIER BLOCK ASS'Y, DRAFTER, S
203	A-6746-031-B	* MOLIER BLOCK ASS'Y, GUIDE, T
204	A-6750-202-A	* MOLIER BLOCK ASS'Y, DRAFTER, ARM
205	A-6750-221-A	* ARM BLOCK ASS'Y, DRAFTER, T
206	A-6750-225-F	* ARM BLOCK ASS'Y, DRAFTER, T
207	X-1668-713-0	* LINK (B) ASS'Y, DRIVER
208	X-1668-743-0	* LEVER ASS'Y, DRIVING
209	X-1668-768-0	* LEVER ASS'Y, DRIVING ARM
210	X-1672-708-0	* ARM ASS'Y, T DRAFTER
211	X-1738-305-1	* EXHAUST ASS'Y, ARM, T DRAFTER
212	X-1738-603-1	* MOLIER BLOCK ASS'Y, GUIDE, RG
213	X-1738-610-1	* SHAFT ASS'Y, DRAFTER GUIDE
214	X-1738-612-1	* SHAFT ASS'Y, DRAFTER, T
215	X-1738-615-3	* ARM ASS'Y, DRAFTER, S
216	1-6225-59-10	* PRINTED CIRCUIT BOARD, PFC-34
217	3-334-854-00	* SPRING, COMPRESSION
218	3-340-500-00	* SPRING, TENSION
219	3-668-745-00	* SPRING, SPRING, S DRAFTER
220	3-734-304-01	* LIMITER, S DRAFTER
221	3-668-721-00	* ARM, S DRIVING
222	3-668-734-00	* SPRING
223	3-668-735-00	* RETAINER, SPRING
224	3-668-760-00	* RETAINER, DRIVING LEVER
225	3-665-946-00	* RING (24), O
226	3-665-974-00	* HOLDER (1), S GUIDE
227	3-705-074-00	* CAP, 3
228	3-705-075-00	* SCREW (1), S GUIDE
229	3-715-773-01	* SPRING, COMPRESSION

# DRUM AND CAPSTAN BLOCKS DRUM AND CAPSTAN BLOCKS

## 4. DRUM AND CAPSTAN BLOCKS



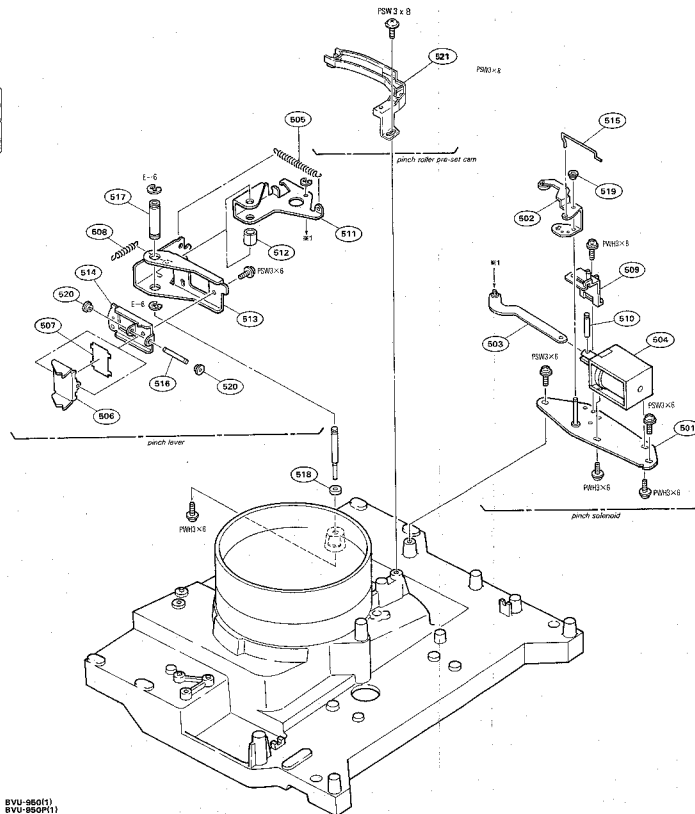
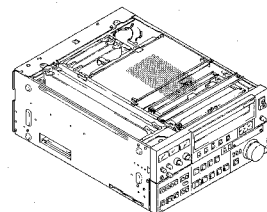
BVU-850(1)  
BVU-860(1)

No.	Parts No.	SP	Description
301	A-6709-619-A	o	BRUSH ASS'Y
302	A-6736-071-B	o	HEAD BLOCK ASS'Y, AUDIO
303	A-6746-049-A	o	RELIEF ASS'Y, GUIDE, TAPE
304	X-3683-017-1	o	RING ASS'Y, SLIT
305	1-586-633-00	o	DETECTOR, DEM
306	1-615-924-11	o	PRINTED CIRCUIT BOARD, DUE-92
307	A-6709-615-A	o	UPPER DRUM ASS'Y, DUE-43-R (For UC, J)
	A-6709-617-A	o	UPPER DRUM ASS'Y, DUE-44-R (For EK)
308	3-630-029-01	o	SPACER, FLANGE (0.017)
309	3-630-029-11	o	SPACER, FLANGE (0.027)
310	3-630-029-21	o	SPACER, FLANGE (0.037)
311	3-630-029-31	o	SPACER, FLANGE (0.17)
312	3-630-029-41	o	SPACER, FLANGE (0.037)
313	3-641-612-00	o	GUIDE, TAPE
314	3-641-615-00	o	SPRING, COMPRESSION
315	3-641-616-00	o	NUT, TAPE GUIDE ADJUSTMENT
316	3-641-621-00	o	SCREW, HEAD ADJUSTMENT
317	3-641-622-00	o	SPRING, COMPRESSION
318	3-642-076-00	o	WASHER, W-REEL, S
319	3-647-815-00	o	PLATE, ADJUSTMENT, CTL HEAD
320	3-647-816-00	o	SOLE, SUPPORT, CTL BRACKET
321	3-655-631-00	o	TERMINAL, GROUND
322	3-655-675-02	o	CASE (F), AU
323	3-655-676-01	o	BRACKET (A), CTL HEAD
324	3-655-677-01	o	BRACKET (B), CTL HEAD
325	3-655-678-03	o	CASE (B), AU
326	3-660-102-00	o	GUIDE, TAPE
327	3-672-762-01	o	PIN, DRUM
328	3-672-763-01	o	CAM, 7 OPEN/SHUT PREVENTION
329	3-672-731-01	o	TC-4
	UC: S/N UP TO 13690		
	J: S/N UP TO 11025		
	EK: S/N UP TO 12930		
	3-710-388-01	o	TAPE GUIDE (TO-4N)
	UC: S/N 13691 AND HIGHER		
	J: S/N 11026 AND HIGHER		
	EK: S/N 12931 AND HIGHER		
330	3-685-048-01	o	COVER, BRUSH
331	3-688-867-01	o	FLANGE, TAPE GUIDE
332	3-703-467-00	o	SCREW
333	3-718-758-01	o	DAMPERS, AIR
334	8-825-578-22	o	HEAD, ACE (EP2644-5803)
335	8-825-238-02	o	MOVER, DC RE-P-19130
336	A-6709-614-A	o	HEAD DRUM ASS'Y, DUE-43A-R (For UC, J)
	A-6709-616-A	o	HEAD DRUM ASS'Y, DUE-44A-R (For EK)
337	3-554-329-11	o	WASHER, TAPE GUIDE
	UC: S/N UP TO 13690		
	J: S/N UP TO 11025		
	EK: S/N UP TO 12930		

[illegible]

BVU-950(1)  
BVU-950P(1)

# 6. PINCH LEVER AND PINCH SOLENOID BLOCKS

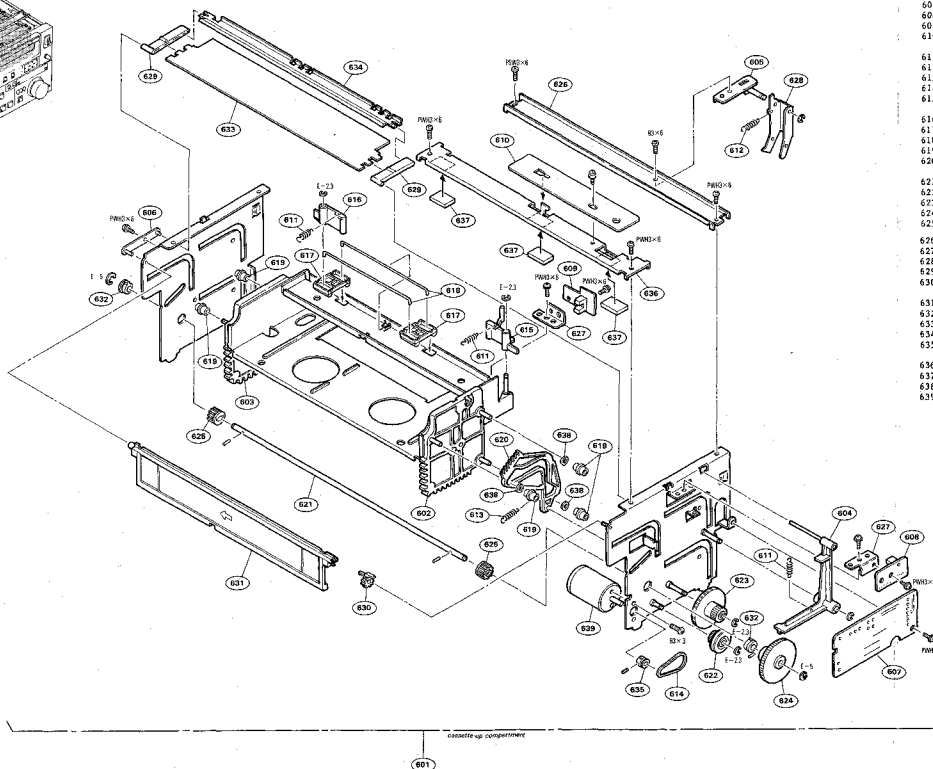
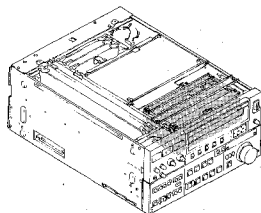


No.	Parts No.	SP	Description
501	X-3668-734-0	o	BASE ASS'Y, PINCH PRESS
502	X-3668-735-3	o	LEVER ASS'Y, RESERVE PRESS
503	X-3668-736-0	o	JOINT ASS'Y
504	1-454-416-31	#	SOLENOID, PLUNGER
505	3-610-265-02	#	SPRING
506	3-642-518-00	o	LEVER, PINCH
507	3-642-519-00	o	SPRING
508	3-643-192-00	#	SPRING, TENSION
509	3-668-863-00	#	GUIDE, ARMOR
510	3-668-864-00	#	PIN, SOLENOID
511	3-668-865-00	o	LEVER (B), PINCH PRESS
512	3-668-867-00	o	SPACER (R&S)
513	3-668-868-00	o	LEVER (A), PINCH PRESS
514	3-668-883-00	o	PLATE, ADJUSTMENT, PINCH PRESS
515	3-668-884-03	o	JOINT, RESERVE PRESS
516	3-668-895-00	o	SHAFT
517	3-668-896-00	o	SLEEVE, PRESS LEVER, PINCH
518	3-727-733-01	o	TABLE SHAFT, PRESS LEVER
519	3-703-074-00	o	CAP 3, SHAFT
520	3-703-075-00	o	CAP 2, SHAFT
521	3-718-427-02	o	DECK, RESERVE PRESS

8VU-860(1)  
8VU-860(1)

## 7. CASSETTE-UP COMPARTMENT BLOCK

S/N UP TO 11025 (J)  
S/N UP TO 13940 (UC)  
S/N UP TO 13680 (EK)  
S/N UP TO 10045 (BRZ)

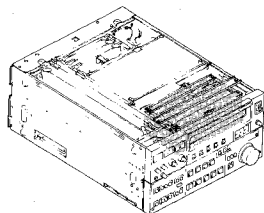


No.	Parts No.	SF	Description
601	A-6751-367-A	o	CASSETTE-UP BLOCK ASS'Y
602	X-3668-037-0	o	RACK ASS'Y, CASSETTE COMPARTMENT
603	X-3668-038-0	o	RACK ASS'Y, CASSETTE COMPARTMENT
604	X-3668-039-0	o	ARM ASS'Y, SWITCH, DOWN
605	X-3668-060-3	o	HOLDER ASS'Y, ARM
606	X-3668-061-0	o	SUPPORT ASS'Y, LID
607	1-622-255-11	o	PRINTED CIRCUIT BOARD, CC-31
608	1-622-256-11	o	PRINTED CIRCUIT BOARD, CC-32
609	1-622-257-11	o	PRINTED CIRCUIT BOARD, CC-33
610	1-623-101-11	o	PRINTED CIRCUIT BOARD, LP-41
611	3-507-051-00	o	SPRING, TENSION
612	3-534-217-11	o	SPRING, TENSION
613	3-536-180-11	o	SPRING, TENSION
614	3-653-387-00	o	BELT, LM
615	3-668-295-00	o	LEVER (RIGHT), CASSETTE PUSH-OUT
616	3-668-296-00	o	LEVER (LEFT), CASSETTE PUSH-OUT
617	3-668-297-00	o	RETAINER, CASSETTE
618	3-668-298-02	o	STRING
619	3-668-299-00	o	ROLLER, GUIDE
620	3-668-300-00	o	CAM, LID OPEN
621	3-668-301-00	o	SHAFT, DRIVING
622	3-668-303-00	o	GEAR (A)
623	3-668-304-00	o	GEAR (B)
624	3-668-305-00	o	GEAR (C)
625	3-668-306-00	o	GEAR (D)
626	3-668-307-02	o	JOINT (R), LEFT & RIGHT
627	3-668-309-00	o	BRACKET, SWITCH
628	3-668-310-02	o	ARM, LID OPEN
629	3-668-313-02	o	FRAME, SUPPORT, REFLECTOR
630	3-668-315-02	o	GEAR, LID
631	3-668-371-11	o	LID, CASSETTES
632	3-668-674-00	o	BEARING (6)
633	3-672-604-11	o	REFLECTOR
634	3-672-639-03	o	BRACKET, LAMP
635	3-672-730-01	o	PULLEY (C), MOTOR
636	3-718-374-01	o	JOINT (F), LEFT & RIGHT
637	3-718-373-01	o	RETAINER, LID
638	3-701-435-21	o	WASHER, FOLY 3 MM DIA., 0.5T
639	8-835-179-01	o	MOTOR, DC MCB2B15

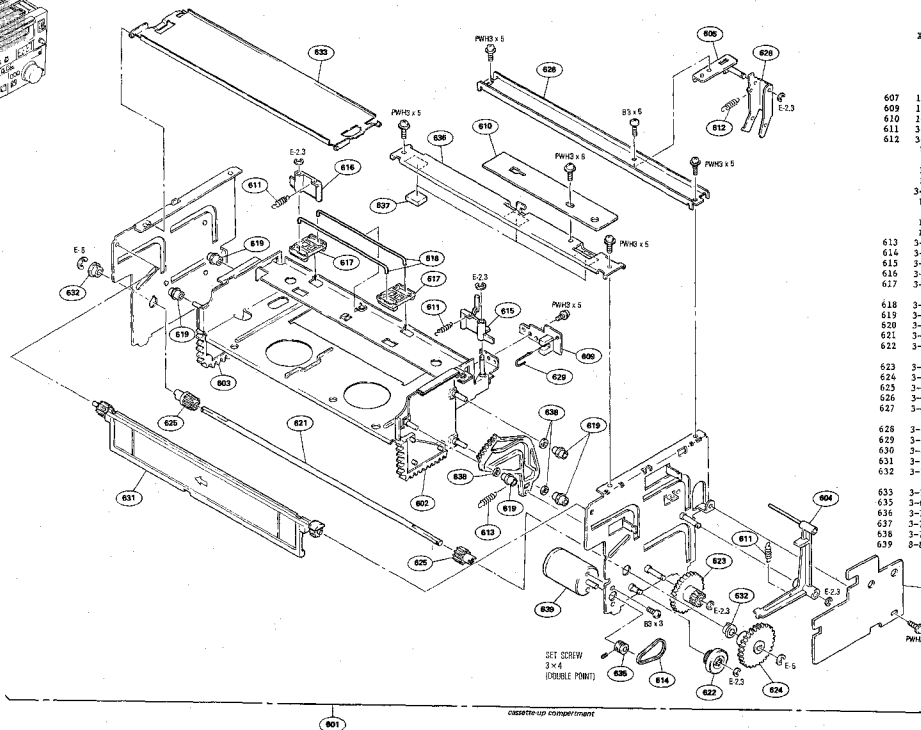
BUV-950(1)  
BUV-950(11)

## 7. CASSETTE-UP COMPARTMENT BLOCK

S/N 11026 AND HIGHER (J)  
S/N 13941 AND HIGHER (UC)  
S/N 13681 AND HIGHER (EK)  
S/N 10046 AND HIGHER (BRZ)

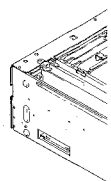


BUV-960(1)  
BUV-960P(1)



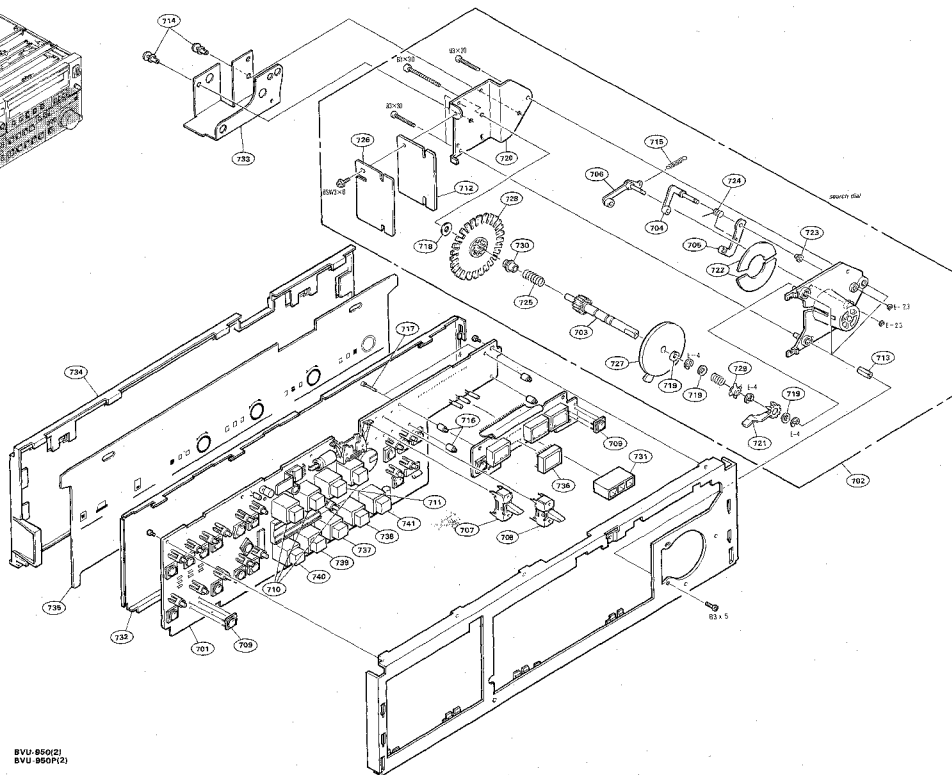
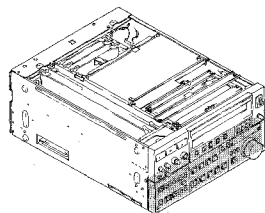
No.	Parts No.	SP	Description
601	A-6751-391-0	*	CASSETTE-UP BLOCK ASS'Y
602	X-3718-661-1	*	RACK ASS'Y, CASSETTE COMPARTMENT
603	X-3718-662-1	*	RACK ASS'Y, CASSETTE COMPARTMENT
604	X-3668-050-0	*	ARM ASS'Y, SWITCH, DOWN
605	X-3668-060-3	*	HOLDER ASS'Y, ARM
UC: S/N UP TO 16795			J: S/N UP TO 11595
EK: S/N UP TO 14370			RR: S/N UP TO 10110
X-3165-150-1			HOLDER ASS'Y, ARM
UC: S/N 16796 AND HIGHER			J: S/N 11596 AND HIGHER
EK: S/N 14371 AND HIGHER			RR: S/N 10131 AND HIGHER
607	1-627-572-12	o	PRINTED CIRCUIT BOARD, CC-36
609	1-627-573-13	o	PRINTED CIRCUIT BOARD, CC-37
610	1-629-101-11	o	PRINTED CIRCUIT BOARD, LB-41
611	3-507-051-00	o	SPRING, TENSION
612	3-534-217-11	o	SPRING, TENSION
UC: S/N UP TO 16795			J: S/N UP TO 11595
EK: S/N UP TO 14370			RR: S/N UP TO 10130
3-669-980-00			o SPRING, TENSION
UC: S/N 16796 AND HIGHER			J: S/N 11596 AND HIGHER
EK: S/N 14371 AND HIGHER			RR: S/N 10131 AND HIGHER
613	3-536-160-11	o	SPRING, TENSION
614	3-653-387-00	o	BEEL, LM
615	3-668-295-00	o	LEVER (RIGHT), CASSETTE PUSH-OUT
616	3-668-296-00	o	LEVER (LEFT), CASSETTE PUSH-OUT
617	3-668-297-00	o	RETAINER, CASSETTE
618	3-668-298-02	o	SPRING
619	3-668-299-00	o	ROLLER, GUIDE
620	3-721-403-02	o	CAM, LID OPEN
621	3-721-474-01	o	SHAFT, DRIVING
622	3-666-303-00	o	GEAR (A)
623	3-668-304-00	o	GEAR (B)
624	3-721-477-01	o	GEAR (C)
625	3-721-478-01	o	GEAR (D)
626	3-668-307-02	o	JOINT (R), LEFT & RIGHT
627	3-668-309-00	o	BRACKET, SWITCH
628	3-668-310-02	o	ARM, LID OPEN
629	3-721-476-01	o	WIRE, FLEXED
630	3-668-311-02	o	GEAR, LID
631	3-721-480-01	o	LID, CASSETTE
632	3-721-479-01	o	BEARING (C)
633	3-721-486-01	o	REFLECTOR
635	3-672-750-01	o	PULLEY (C), MOTOR
636	3-718-376-01	o	JOINT (P), LEFT & RIGHT
637	3-718-373-01	o	RETAINER, LID
638	3-701-435-21	o	WASHER, POLY 3 MM DIA., 0.5T
639	8-635-173-01	o	MOTOR, DC NC3215

## 8. FUNCTION



# FUNCTION CONTROL      FUNCTION CONTROL

## 8. FUNCTION CONTROL



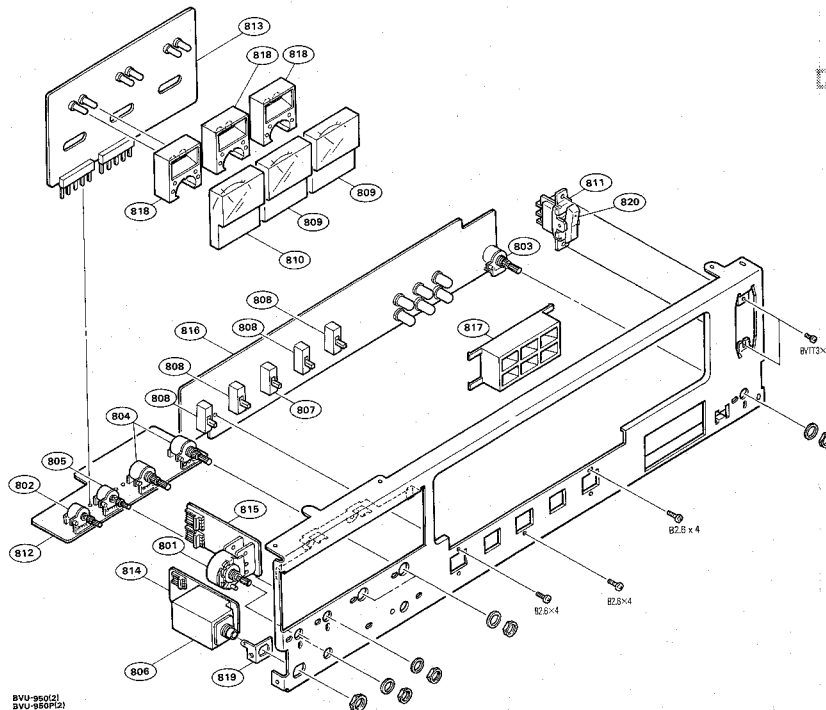
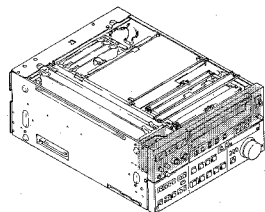
8VU-850(2)  
8VU-850P(2)

No.	Part No.	SP	Description
701	A-6717-491-A	o	MOUNTED CIRCUIT BOARD, KY-144
702	A-6734-238-C	o	DIAL BLOCK ASS'Y, SEARCH
703	X-3717-226-1	o	SHAPY SUB ASS'Y, MAIN
704	X-3717-227-1	o	ARM (RIGHT), ASS'Y, S10
705	X-3717-228-1	o	ARM (LEFT), ASS'Y, S10
706	X-3717-229-1	o	ARM ASS'Y, RETURN
707	1-518-994-00	o	SWITCH, LEVER SLIDE
708	1-516-995-00	o	SWITCH, LEVER SLIDE
709	1-552-539-00	o	SWITCH, KEY BOARD
710	1-554-039-11	o	SWITCH, PUSH
711	1-554-040-21	o	SWITCH, PUSH
712	1-622-638-11	o	PRINTED CIRCUIT BOARD, PFC-32
713	7-280-622-11	o	SUPPORT (MS), HELAGOR
714	3-531-576-01	o	RIVET, NYLON
715	3-639-371-00	o	SPRING, TENSION
716	3-659-487-00	o	HOLDER, BUZZER
717	3-659-488-00	o	FIN, BUZZER HOLDER
718	3-662-048-00	o	WASHER, BRACKET
719	3-701-443-21	o	WASHER, POLY 5 MM DIA., 0.5T
720	3-717-313-01	o	PLATE, BOTTOM, SD
721	3-717-316-03	o	GUIDE, LOCK IN
722	3-717-317-01	o	PLATE, CLAMP
723	3-717-318-01	o	BEARING, S10
724	3-717-319-01	o	SPRING, TORSION
725	3-717-320-01	o	SPRING, COMPRESSION
726	3-717-321-01	o	PROTECTOR, PCT
727	3-717-417-01	o	CAN
728	3-717-418-01	o	PLATE
729	3-717-446-02	o	GUIDE, LOCK OUT
730	3-717-553-01	o	BEARING, SD
731	3-718-457-01	o	HOLDER, LED
732	3-718-740-01	o	PROTECTOR, KY
733	3-718-771-01	o	COVER (U), SD
734	3-718-792-01	o	HOLDER, SHEET
735	3-718-793-03	o	MEMO SHEET
736	8-619-942-19	o	DIODE, LB-402VK
737	1-554-039-21	o	SWITCH, PUSH
738	1-554-039-41	o	SWITCH, PUSH
739	1-554-039-51	o	SWITCH, PUSH
740	1-571-165-11	o	SWITCH, TACTIL
741	1-571-168-21	o	SWITCH, TACTIL



# LEVEL CONTROL      LEVEL CONTROL

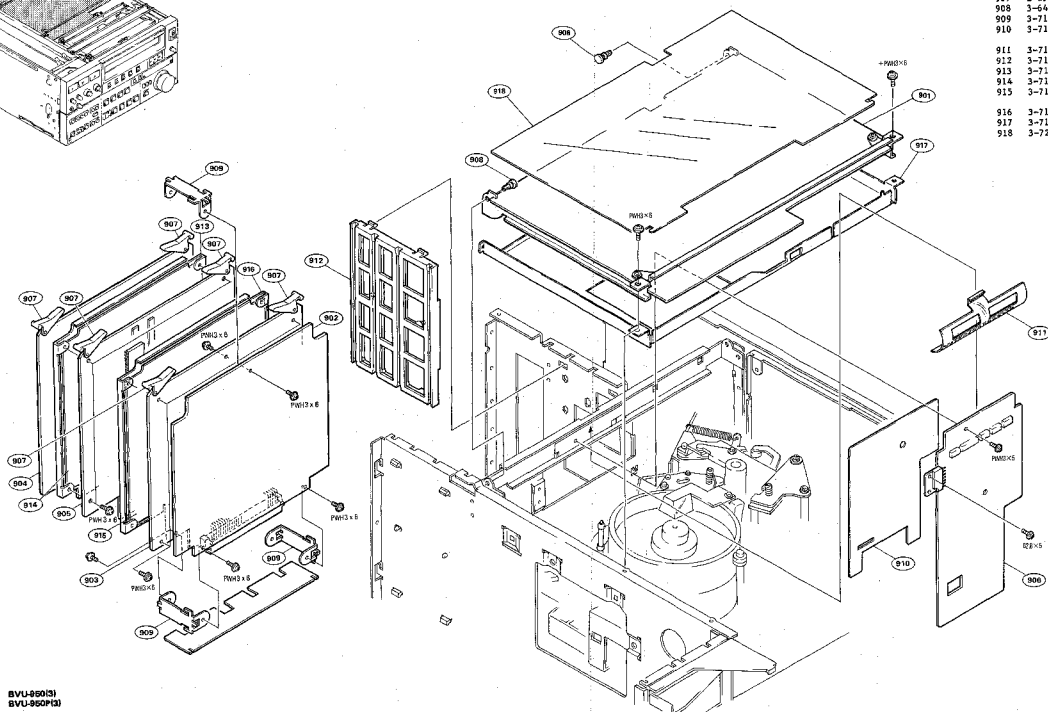
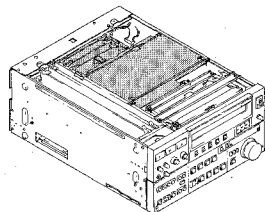
## 9. LEVEL CONTROL



8VU-950(2)  
8VU-950P(2)

No.	Parts No.	SP	Description
801	1-228-218-00	#	RES, VAR, CARBON 500/500
802	1-230-338-11	#	RES, VAR, CARBON 100K
803	1-237-713-11	#	RES, VAR, CARBON 100K
804	1-237-714-11	#	RES, VAR, CARBON 50/50K
805	1-237-715-11	#	RES, VAR, CARBON 10K
806	1-507-553-00	#	JACK
807	1-516-963-00	#	SWITCH, LEVER SLIDE
808	1-516-994-00	#	SWITCH, LEVER SLIDE
809	1-320-393-00	#	METER, AUDIO
810	1-320-440-00	#	METER, VIDEO
811	1-570-117-11	#	SWITCH, ROCKER (AC POWER)
812	1-622-727-11	o	PRINTED CIRCUIT BOARD, VR-48
813	1-622-729-11	o	PRINTED CIRCUIT BOARD, MT-28
814	1-622-730-11	o	PRINTED CIRCUIT BOARD, MT-28
815	1-622-731-11	o	PRINTED CIRCUIT BOARD, VR-48
816	1-622-737-11	o	PRINTED CIRCUIT BOARD, SW-170
817	3-718-813-01	o	HOLDER (A), LAMP
818	3-718-814-01	o	HOLDER (B), LAMP
819	3-718-899-01	o	PLATE, GROUND, HP
820	3-648-814-01	#	CAP, SWITCH

## 10. CHASSIS BLOCK (REAR)

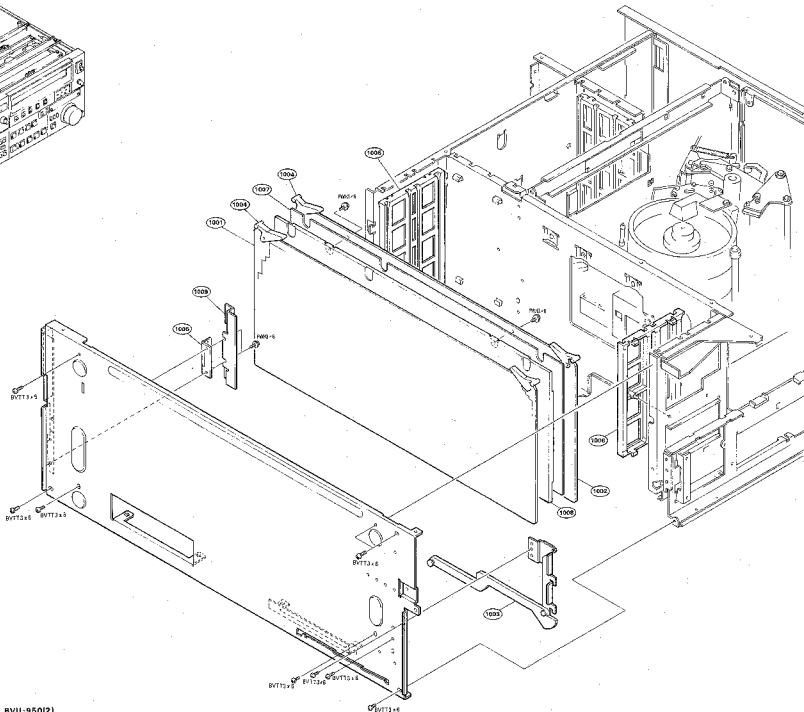
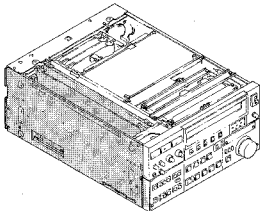


No.	Parts No.	SF	Description
901	A-6711-829-A	o	MOUNTED CIRCUIT BOARD, MD-45
902	A-6713-287-A	o	MOUNTED CIRCUIT BOARD, AU-43A
903	A-6713-288-A	o	MOUNTED CIRCUIT BOARD, AU-44A
904	A-6713-289-A	o	MOUNTED CIRCUIT BOARD, AU-45A
905	A-6725-572-A	o	MOUNTED CIRCUIT BOARD, MC-11
906	1-622-725-11	o	PRINTED CIRCUIT BOARD, RM-80
907	2-251-622-00	#	LEVER, PC BOARD
908	3-646-090-00	#	RIVET, NYLON
909	3-718-655-01	o	JOINT, AL
910	3-718-667-01	o	PROTECTOR, PC BOARD
911	3-718-668-01	o	PROTECTOR (A), HARNESS
912	3-718-709-01	o	GUIDE (B), PCB
913	3-718-710-01	o	PLATE (SMALL), SHIELD
914	3-718-711-01	o	SHEET (SMALL), INSULATING
915	3-718-797-01	o	SHEET (INNER), INSULATING
916	3-718-798-01	o	PLATE (INNER), SHIELD
917	3-718-799-02	o	SHIELD (LARGE), MD (For UC, J)
918	3-721-408-01	o	SHEET, PROTECTION, MD

BVL-850(3)  
BVL-850P(3)

### CHASSIS BLOCK (LEFT)

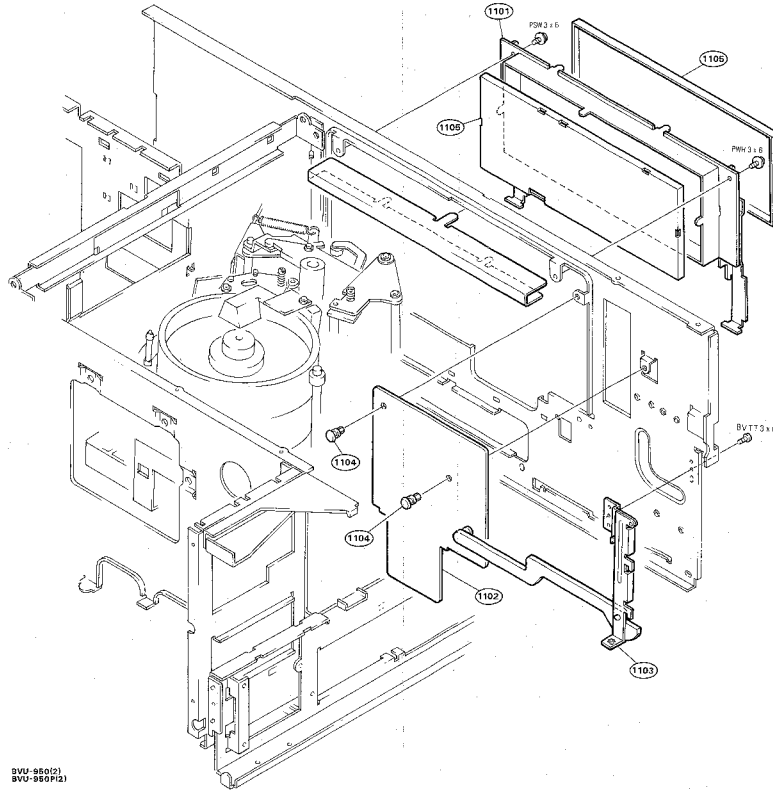
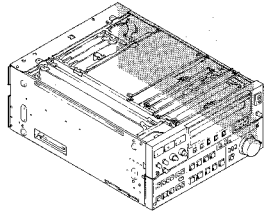
## 11. CHASSIS BLOCK (LEFT)



No.	Parts No.	SP	Description
1001	A-6711-827-A	o	MOUNTED CIRCUIT BOARD, RM-55
1002	A-6715-415-A	o	MOUNTED CIRCUIT BOARD, SV-88A
1003	X-3718-617-1	o	HINGE (LEFT) ASS'Y
1004	2-251-622-06	s	LEVER, PC BOARD
1005	3-651-875-00	s	HINGE, FRONT
1006	3-718-708-01	o	GUIDE (A), PCB
1007	3-718-714-01	o	SHEET (C), INSULATING, TBC
1008	3-718-736-11	o	SHIELD (C), TDC
1009	3-718-772-01	o	CONNECTOR PANEL (ASSIST)

# CHASSIS BLOCK (RIGHT) CHASSIS BLOCK (RIGHT)

## 12. CHASSIS BLOCK (RIGHT)

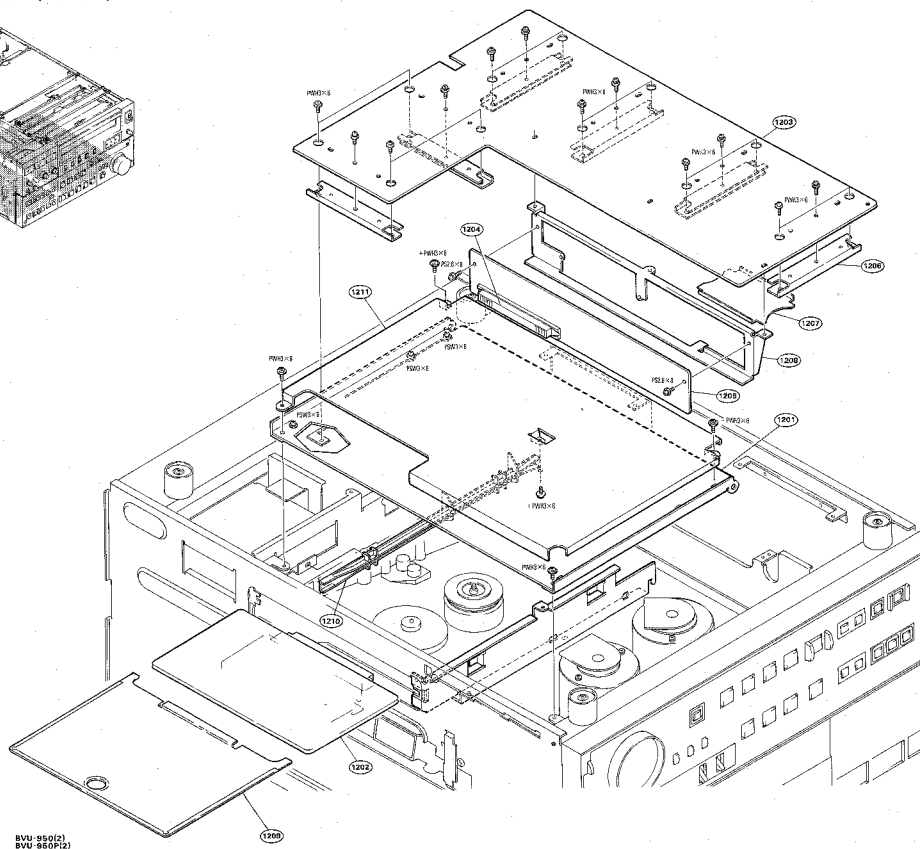
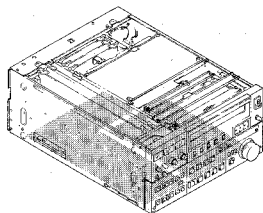


No.	Parts No.	SP	Description
1101	A-6711-828-A	o	MOUNTED CIRCUIT BOARD, SP-30A
1102	A-6717-458-A	o	MOUNTED CIRCUIT BOARD, PD-37
1103	X-3716-618-1	o	HINGE (RIGHT) ASS'Y
1104	3-646-090-00	w	RIVET, WELD
1105	3-718-724-01	o	LID, RP SHIELD CASE

BVU-950(2)  
BVU-950P(2)

### CHASSIS BLOCK (BOTTOM)

### 13. CHASSIS BLOCK (BOTTOM)



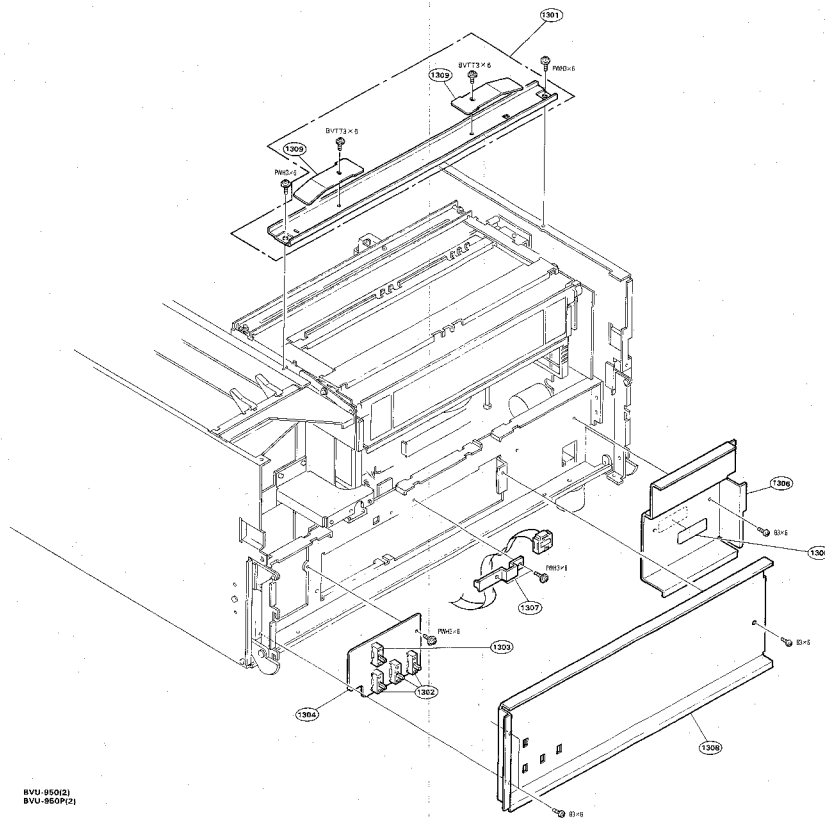
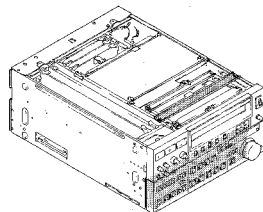
BVU-950(2)  
BVU-950P(2)

No.	Parte No.	SP	Description
1201	A-6717-467-A	o	MOUNTED CIRCUIT BOARD, SY-102A
1202	A-6717-468-A	o	MOUNTED CIRCUIT BOARD, DSC-44
1203	A-6717-469-A	o	MOUNTED CIRCUIT BOARD, MB-127
1204	1-563-336-21	o	HOUSING, CONNECTOR (DIP) 64P
1205	1-622-714-11	o	PRINTED CIRCUIT BOARD, MB-139
1206	3-718-616-01	o	BRACKET, MR
1207	3-718-655-02	o	PROTECTOR (A), HARNESSES
1208	3-718-720-01	o	JOINT, MB
1209	3-721-409-01	o	SHEET, DSC, JOINT
1210	3-718-790-01	o	GIELD, SY
1211	3-718-791-01	o	GIELD, SY

# CHASSIS BLOCK (FRONT)

# CHASSIS BLOCK (FRONT)

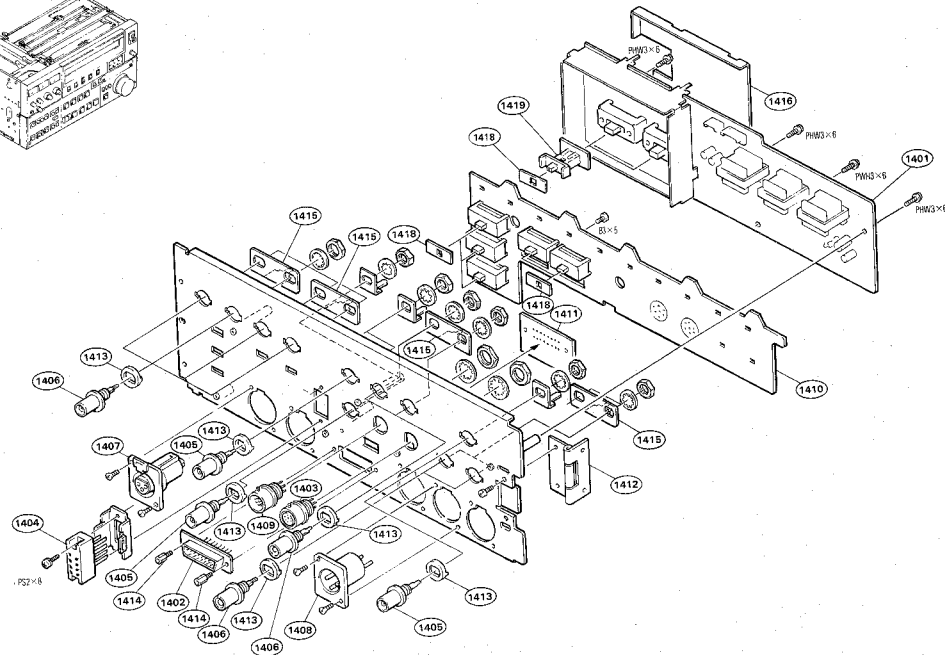
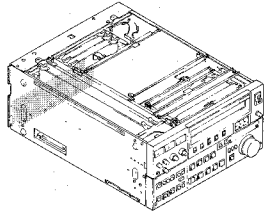
## 14. CHASSIS BLOCK (FRONT)



BVU-950(2)  
BVU-860(2)

# CONNECTOR PANEL CONNECTOR PANEL

## 15. CONNECTOR PANEL

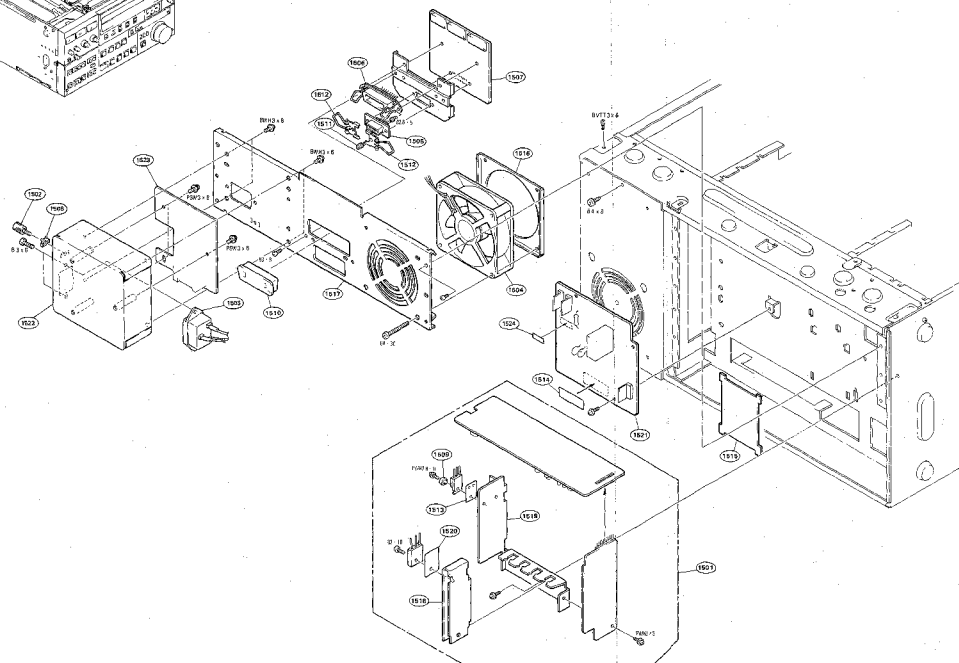
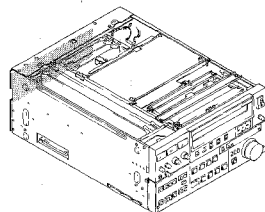


BVU-950P(2)

No.	Parts No.	SF	Description
1401	A-6713-283-A	o	MOUNTED CIRCUIT BOARD, AD-87
1402	1-560-769-00	o	PLUG, CONNECTOR 15P
1403	1-561-045-21	o	CONNECTOR, (8-7)
1404	1-561-577-21	o	CONNECTOR (DIP TYPE) 8P
1405	1-562-227-23	o	RECEPTACLE, 8NC
1406	1-562-227-41	o	RECEPTACLE, 8NC
1407	1-563-029-21	o	CONNECTOR (RECEPTACLE) 3P
1408	1-563-030-21	o	CONNECTOR (RECEPTACLE) 3P
1409	1-564-622-11	o	CONNECTOR, DISC (8-10) 7P
1410	1-622-706-12	o	PRINTED CIRCUIT BOARD, CP-109
1411	1-622-740-11	o	PRINTED CIRCUIT BOARD, EN-45
1412	3-651-875-00	o	HINGE, FRONT
1413	3-654-345-00	o	SPACER, 8NC
1414	3-658-459-11	o	SHIELD, CONNECTOR
1415	3-718-662-01	o	GROUND, 8NC
1416	3-718-688-01	o	SHIELD (3), 13FVT
1418	3-718-757-01	o	CUSHION, SW
1419	X-3718-626-1	o	SW ASS'Y

# REAR PANEL REAR PANEL

## 16. REAR PANEL



HVU-950P(2)

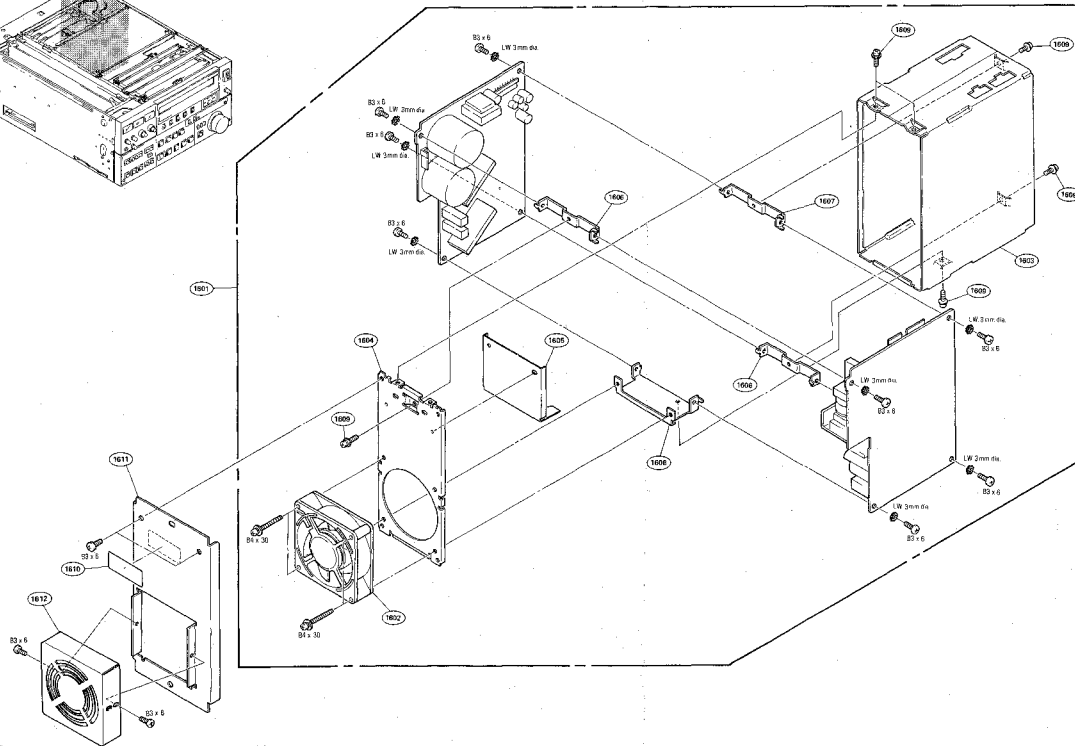
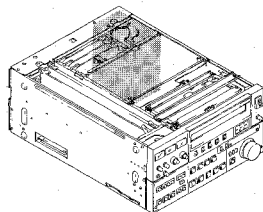
No.	Parts No.	SP	Description
1501	A-6715-367-A	o	MOUNTED CIRCUIT BOARD, DR-53
1502	X-2068-004-0	s	TERMINAL ASS'Y
1503	1-580-375-11	s	3P INLET
1504	1-541-431-31	s	FAN, DC
1505	1-563-890-11	s	SOCKET, D-SUB CONNECTOR 9P
1506	1-566-658-11	s	CONNECTOR 24P
1507	1-622-739-11	o	PRINTED CIRCUIT BOARD, RM-44
1508	2-065-008-00	s	WASHER
1509	2-831-007-00	s	BUSHING (K), INSULATING
1510	2-990-028-01	o	CAP, DUST
1511	3-668-459-11	o	SCREW, CONNECTOR
1512	3-668-460-00	o	SPRING
1513	3-703-037-00	s	INSULATOR, TO-120
1514	3-703-044-26	o	LABEL, CAUTION (For UC)
1515	3-721-454-01	o	PROTECTOR (C), WARNERS
1516	3-718-685-01	o	NUT, PLATE, FAN
1517	3-718-768-01	o	PLATE (PAL), REAR
1518	3-718-718-02	o	HEAT SINK (A)
1519	3-718-719-01	o	HEAT SINK (B)
1520	4-871-906-00	s	SHEET, INSULATING
1521	1-622-704-11	o	PRINTED CIRCUIT BOARD, AC-78
1522	X-3718-627-1	o	DES ASS'Y
			for 8/8 EK: up to 14535
			X-3718-675-2
			for 8/8 EK: 14536 and higher
1523	1-622-806-11	o	PRINTED CIRCUIT BOARD, AC-79
			for 8/8 EK: up to 14270
			1-633-371-11
			for 8/8 EK: 14271 and higher
1524	3-701-948-20	s	LABEL, FUSE





## 17. SWITCHING REGULATOR

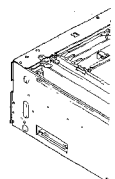
**S/N 12931 AND HIGHER (EK)**



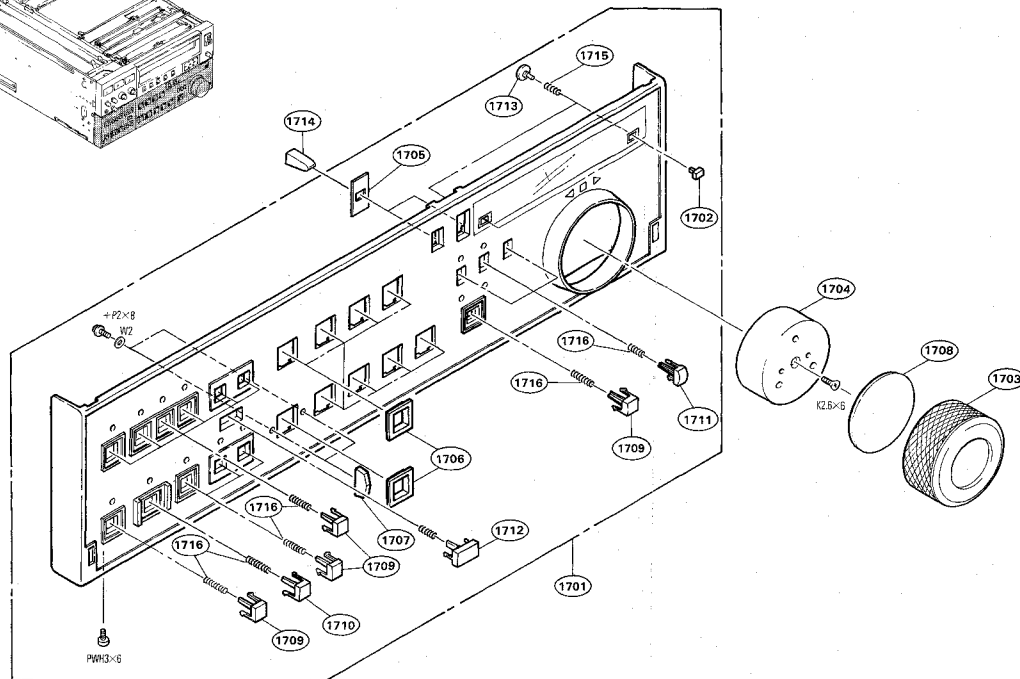
BYU-950P(1)

NO.	Part No.	SP	Description
1601	1-413-307-24	S	REGULATOR, SWITCHING (UR13)
1602	1-541-431-51	S	MOTOR, DC FAN
1603	2-403-696-01	O	CASE
1604	2-403-697-01	O	LID, CASE
1605	2-431-695-01	O	SHEET, (18-UR21-21-8), INSULATING
1606	2-434-441-01	O	BRACKET
1607	2-434-441-11	O	BRACKET, FAN
1608	4-435-457-01	S	SCREW 1/2-18-21-5
1609	3-703-108-01	S	SCREW 3/16X24, S TIGHT
1610	3-703-043-21	O	LABEL, CAUTION, MAIN
1611	3-718-702-03	O	PLATE, ORNAMENTAL, SW
1612	3-721-469-01	O	COVER, FAN

18. ORNAMEI



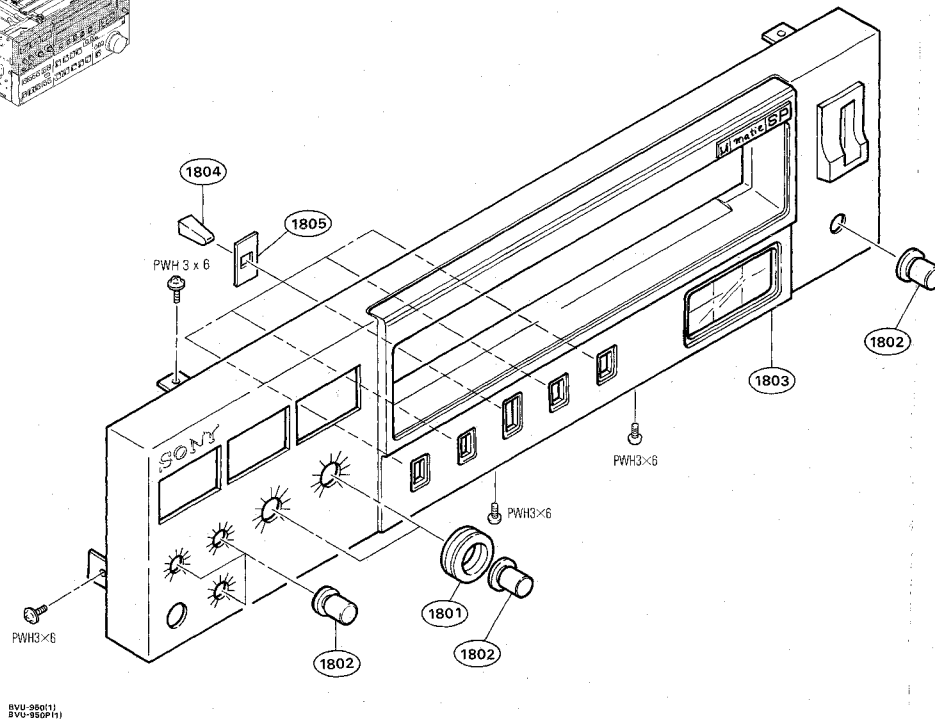
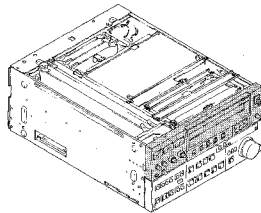
BYU-960  
BYU-960



BVU-950(2)  
BVU-950P(2)

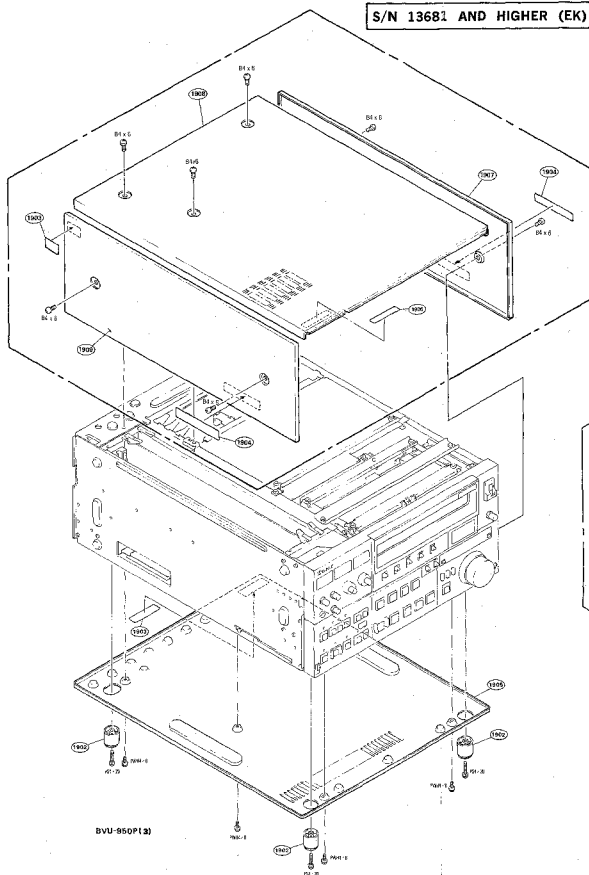
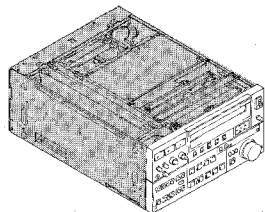
No.	Parts No.	SP	Description
1701	A-6704-278-C	o	PANEL BLOCK ASS'Y, KEY
1702	A-6688-006-C	o	FOH BUTTON (253)
1703	A-6681-012-03	o	KUMBER, DIAL KNOB
1704	A-717-370-C1	o	KNOBS, DIAL
1705	A-717-373-C1	o	FLATE, ONOMENTAL, LEVER SW
1706	A-717-377-C1	o	FLAME (SQUARE) 17, ONOMENTAL
1707	A-717-380-C1	o	GUMED, REC
1708	A-717-557-C1	o	FLATE, KNOB
1709	A-718-464-C1	o	KEY TOP
1710	A-718-464-C1	o	KEY TOP
1711	A-718-681-C1	o	FUSH BUTTON
1712	A-718-683-C1	o	FUSH BUTTON
1713	A-718-84-C1	o	FLATE, PUSH BUTTON
1714	A-718-98-C1	o	KNOBS, LEVER SW
1715	A-309-349-C1	o	SPRING, COIL
1716	A-866-415-C0	o	SPRING, COMPRESSION

19. ORNAMENTAL PANEL(2)



No.	Part No.	SP	Description
1801	X-3715-497-1	#	KNOB (N) ASS'Y, CONTROL
1802	X-1672-707-1	#	KNOB ASS'Y, VOLUME
1803	X-3718-601-1	#	KNOB (P) ASS'Y, FRONT
1804	3-718-698-01	#	KNOB, LEVER SW
1805	3-717-373-01	o	PLATE, ORNAMENTAL, LEVER SW

20. ORNAMENTAL PANEL(3)

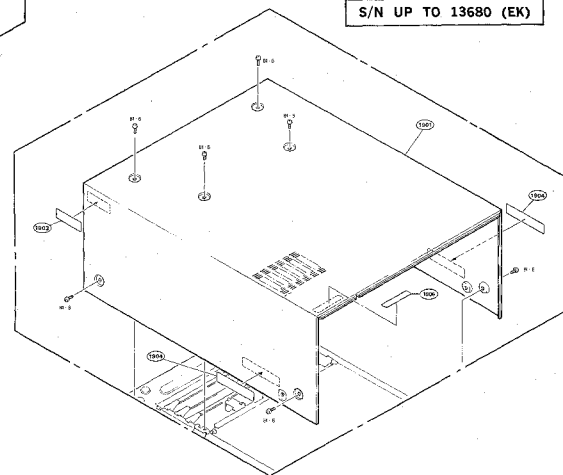


BUU-950P(3)

No. Part No. SP Description

- 1901 X-3718-425-1 o CASE ASS'Y, U
- 1902 3-642-656-01 o LRG
- 1903 3-703-079-31 o LABEL, CAUTION (BACK)
- 1904 3-718-691-01 o CAUTION, VIZ
- 1905 3-718-739-01 o PLATE, BOTTOM
- 1906 3-701-690-00 o LABEL (MADE IN JAPAN)
- 1907 X-3718-664-1 o PLATE ASSY, SIDE
- 1908 X-3718-666-1 o PLATE ASSY, TOP
- 1909 3-734-301-01 o PLATE, SIDE

S/N UP TO 13680 (EK)



# 18-3. ELECTRICAL PARTS LIST

## ABBREVIATIONS

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

### General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list.  
Reference numbers are omitted.

Part No. SP Description

#### CAPACITOR

##### CERAMIC

1-161-038-00	#	CAP, CERAMIC	0.001	10X	50V
1-161-041-00	#	CAP, CERAMIC	0.0015	10X	50V
1-161-043-00	#	CAP, CERAMIC	0.0022	10X	50V
1-161-045-00	#	CAP, CERAMIC	0.0033	10X	50V
1-161-047-00	#	CAP, CERAMIC	0.0047	10X	50V
1-161-048-00	#	CAP, CERAMIC	0.0068	10X	50V
1-161-051-00	#	CAP, CERAMIC	0.01	10X	50V
1-161-053-00	#	CAP, CERAMIC	0.015	10X	50V
1-161-055-00	#	CAP, CERAMIC	0.022	10X	50V
1-161-057-00	#	CAP, CERAMIC	0.033	10X	50V
1-161-021-11	#	CAP, CERAMIC	0.047	10X	25V
1-161-059-00	#	CAP, CERAMIC	0.047	10X	50V
1-161-061-00	#	CAP, CERAMIC	0.068	10X	50V
1-161-772-11	#	CAP, CERAMIC	0.1	10X	25V
1-161-063-00	#	CAP, CERAMIC	0.1	10X	50V

Part No. SP Description

##### MYLAR

1-130-467-00	#	CAP, MYLAR	470pF	5X	50V
1-130-468-00	#	CAP, MYLAR	560pF	5X	50V
1-130-469-00	#	CAP, MYLAR	680pF	5X	50V
1-130-470-00	#	CAP, MYLAR	820pF	5X	50V
1-130-471-00	#	CAP, MYLAR	1000pF	5X	50V
1-130-472-00	#	CAP, MYLAR	1200pF	5X	50V
1-130-473-00	#	CAP, MYLAR	1500pF	5X	50V
1-130-474-00	#	CAP, MYLAR	1800pF	5X	50V
1-130-475-00	#	CAP, MYLAR	2200pF	5X	50V
1-130-476-00	#	CAP, MYLAR	2700pF	5X	50V
1-130-477-00	#	CAP, MYLAR	3300pF	5X	50V
1-130-478-00	#	CAP, MYLAR	3900pF	5X	50V
1-130-479-00	#	CAP, MYLAR	4700pF	5X	50V
1-130-480-00	#	CAP, MYLAR	5600pF	5X	50V
1-130-481-00	#	CAP, MYLAR	6800pF	5X	50V
1-130-482-00	#	CAP, MYLAR	8200pF	5X	50V
1-130-483-00	#	CAP, MYLAR	0.01	5X	50V
1-130-484-00	#	CAP, MYLAR	0.012	5X	50V
1-130-485-00	#	CAP, MYLAR	0.015	5X	50V
1-130-486-00	#	CAP, MYLAR	0.018	5X	50V
1-130-487-00	#	CAP, MYLAR	0.022	5X	50V
1-130-488-00	#	CAP, MYLAR	0.027	5X	50V
1-130-489-00	#	CAP, MYLAR	0.033	5X	50V
1-130-490-11	#	CAP, MYLAR	0.039	5X	50V
1-130-491-00	#	CAP, MYLAR	0.047	5X	50V
1-130-492-11	#	CAP, MYLAR	0.056	5X	50V
1-130-493-00	#	CAP, MYLAR	0.068	5X	50V
1-130-494-11	#	CAP, MYLAR	0.082	5X	50V
1-130-495-00	#	CAP, MYLAR	0.1	5X	50V
1-130-496-00	#	CAP, MYLAR	0.12	5X	50V
1-130-497-00	#	CAP, MYLAR	0.15	5X	50V
1-130-498-00	#	CAP, MYLAR	0.18	5X	50V
1-130-499-00	#	CAP, MYLAR	0.22	5X	50V
1-130-502-11	#	CAP, MYLAR	0.33	5X	50V

Part No.	SP	Description			
TANTALUM					
1-131-396-11	a	CAP, TANTALUM	0.01	20X	35V
1-131-397-11	a	CAP, TANTALUM	0.015	20X	35V
1-131-398-11	a	CAP, TANTALUM	0.022	20X	35V
1-131-399-11	a	CAP, TANTALUM	0.033	20X	35V
1-131-400-11	a	CAP, TANTALUM	0.047	20X	35V
1-131-401-21	a	CAP, TANTALUM	0.068	10X	35V
1-131-341-21	a	CAP, TANTALUM	0.1	10X	35V
1-131-342-21	a	CAP, TANTALUM	0.15	10X	35V
1-131-343-21	a	CAP, TANTALUM	0.22	10X	35V
1-131-344-21	a	CAP, TANTALUM	0.33	10X	35V
1-131-412-11	a	CAP, TANTALUM	0.47	20X	20V
1-131-345-21	a	CAP, TANTALUM	0.47	10X	35V
1-131-410-11	a	CAP, TANTALUM	0.68	20X	25V
1-131-346-21	a	CAP, TANTALUM	0.68	10X	35V
1-131-413-11	a	CAP, TANTALUM	1.0	20X	20V
1-131-347-21	a	CAP, TANTALUM	1.0	10X	35V
1-131-416-11	a	CAP, TANTALUM	1.5	10X	16V
1-131-348-21	a	CAP, TANTALUM	1.5	10X	35V
1-131-419-11	a	CAP, TANTALUM	2.2	20X	10V
1-131-361-21	a	CAP, TANTALUM	2.2	10X	20V
1-131-349-21	a	CAP, TANTALUM	2.2	10X	35V
1-131-422-11	a	CAP, TANTALUM	3.3	20X	6.3V
1-131-368-21	a	CAP, TANTALUM	3.3	10X	16V
1-131-356-21	a	CAP, TANTALUM	3.3	10X	25V
1-131-350-21	a	CAP, TANTALUM	3.3	10X	35V
1-131-425-11	a	CAP, TANTALUM	4.7	20X	3.15V
1-131-363-21	a	CAP, TANTALUM	4.7	10X	20V
1-131-351-21	a	CAP, TANTALUM	4.7	10X	35V
1-131-382-21	a	CAP, TANTALUM	6.8	10X	6.3V
1-131-370-21	a	CAP, TANTALUM	6.8	10X	16V
1-131-358-21	a	CAP, TANTALUM	6.8	10X	25V
1-131-352-21	a	CAP, TANTALUM	6.8	10X	35V
1-131-389-21	a	CAP, TANTALUM	10	10X	3.15V
1-131-377-21	a	CAP, TANTALUM	10	10X	10V
1-131-365-21	a	CAP, TANTALUM	10	10X	20V
1-131-353-21	a	CAP, TANTALUM	10	10X	35V
1-131-384-21	a	CAP, TANTALUM	15	10X	6.3V
1-131-372-21	a	CAP, TANTALUM	15	10X	16V
1-131-360-21	a	CAP, TANTALUM	15	10X	25V
1-131-391-21	a	CAP, TANTALUM	22	10X	3.15V
1-131-379-21	a	CAP, TANTALUM	22	10X	10V
1-131-367-21	a	CAP, TANTALUM	22	10X	20V
1-131-386-21	a	CAP, TANTALUM	33	10X	6.3V
1-131-374-21	a	CAP, TANTALUM	33	10X	16V
1-131-393-21	a	CAP, TANTALUM	47	10X	3.15V
1-131-381-21	a	CAP, TANTALUM	47	10X	10V
1-131-388-21	a	CAP, TANTALUM	68	10X	6.3V
1-131-395-21	a	CAP, TANTALUM	100	10X	3.15V

Part No.	SP	Description			
ELECTROLYTIC					
1-124-902-00	a	CAP, ELECT	0.47	20X	50V
1-124-791-11	a	CAP, ELECT	1.0	20X	100V
1-124-923-11	a	CAP, ELECT	2.2	20X	100V
1-124-182-00	a	CAP, ELECT	3.3	20X	100V
1-124-927-00	a	CAP, ELECT	4.7	20X	100V
1-123-875-91	a	CAP, ELECT	10	20X	50V
1-124-915-11	a	CAP, ELECT	10	20X	63V
1-124-667-11	a	CAP, ELECT	10	20X	100V
1-124-908-11	a	CAP, ELECT	22	20X	50V
1-124-916-11	a	CAP, ELECT	22	20X	63V
1-124-929-11	a	CAP, ELECT	22	20X	100V
1-124-963-11	a	CAP, ELECT	33	20X	16V
1-124-482-11	a	CAP, ELECT	33	20X	35V
1-124-917-11	a	CAP, ELECT	33	20X	63V
1-124-930-11	a	CAP, ELECT	33	20X	100V
1-124-446-11	a	CAP, ELECT	47	20X	10V
1-124-477-11	a	CAP, ELECT	47	20X	25V
1-124-910-11	a	CAP, ELECT	47	20X	50V
1-124-918-11	a	CAP, ELECT	47	20X	63V
1-124-931-11	a	CAP, ELECT	47	20X	100V
1-124-443-00	a	CAP, ELECT	100	20X	10V
1-126-101-11	a	CAP, ELECT	100	20X	16V
1-124-478-11	a	CAP, ELECT	100	20X	25V
1-124-122-11	a	CAP, ELECT	100	20X	50V
1-124-572-11	a	CAP, ELECT	100	20X	63V
1-123-605-00	a	CAP, ELECT	100	20X	100V
1-124-444-00	a	CAP, ELECT	220	20X	10V
1-124-120-11	a	CAP, ELECT	220	20X	25V
1-124-486-11	a	CAP, ELECT	220	20X	35V
1-124-911-11	a	CAP, ELECT	220	20X	50V
1-124-919-51	a	CAP, ELECT	220	20X	63V
1-124-628-11	a	CAP, ELECT	220	20X	100V
1-124-442-00	a	CAP, ELECT	330	20X	6.3V
1-124-604-00	a	CAP, ELECT	330	20X	10V
1-124-119-00	a	CAP, ELECT	330	20X	16V
1-124-479-11	a	CAP, ELECT	330	20X	25V
1-124-485-11	a	CAP, ELECT	330	20X	35V
1-124-912-11	a	CAP, ELECT	330	20X	50V
1-124-472-11	a	CAP, ELECT	470	20X	10V
1-124-475-11	a	CAP, ELECT	470	20X	16V
1-124-480-11	a	CAP, ELECT	470	20X	25V
1-126-104-11	a	CAP, ELECT	470	20X	35V
1-124-913-11	a	CAP, ELECT	470	20X	50V
1-124-921-11	a	CAP, ELECT	470	20X	63V
1-124-471-00	a	CAP, ELECT	1000	20X	6.3V
1-124-473-11	a	CAP, ELECT	1000	20X	10V
1-124-553-00	a	CAP, ELECT	1000	20X	16V
1-124-557-11	a	CAP, ELECT	1000	20X	25V
1-126-105-11	a	CAP, ELECT	1000	20X	35V
1-124-637-11	a	CAP, ELECT	1000	20X	50V
1-124-922-11	a	CAP, ELECT	1000	20X	63V
1-124-893-11	a	CAP, ELECT	2200	20X	10V
1-124-556-11	a	CAP, ELECT	2200	20X	16V
1-126-563-11	a	CAP, ELECT	2200	20X	25V
1-124-818-11	a	CAP, ELECT	2200	20X	35V
1-124-607-11	a	CAP, ELECT	2200	20X	50V
1-124-621-11	a	CAP, ELECT	3300	20X	6.3V
1-124-887-00	a	CAP, ELECT	3300	20X	16V
1-124-636-00	a	CAP, ELECT	3300	20X	25V
1-124-762-00	a	CAP, ELECT	4700	20X	10V
1-124-898-11	a	CAP, ELECT	4700	20X	16V
1-124-564-11	a	CAP, ELECT	4700	20X	25V
1-124-891-11	a	CAP, ELECT	10000	20X	6.3V
1-124-763-00	a	CAP, ELECT	10000	20X	10V



Part No. SP Description

MICA, SILVERED

1-107-019-00	■	CAP, MICA	1.0pF	20.5pF	500V
1-107-039-00	■	CAP, MICA	1.2pF	20.5pF	500V
1-107-040-00	■	CAP, MICA	1.5pF	20.5pF	500V
1-107-041-00	■	CAP, MICA	1.8pF	20.5pF	500V
1-107-042-00	■	CAP, MICA	2.2pF	20.5pF	500V
1-107-043-00	■	CAP, MICA	2.7pF	20.5pF	500V
1-107-044-00	■	CAP, MICA	3.3pF	20.5pF	500V
1-107-045-00	■	CAP, MICA	3.9pF	20.5pF	500V
1-107-046-00	■	CAP, MICA	4.7pF	20.5pF	500V
1-107-026-00	■	CAP, MICA	5.1pF	20.5pF	500V
1-107-047-00	■	CAP, MICA	5.6pF	20.5pF	500V
1-107-048-00	■	CAP, MICA	6.8pF	20.5pF	500V
1-107-049-00	■	CAP, MICA	8.2pF	20.5pF	500V
1-107-202-00	■	CAP, MICA	10pF	5Z	500V
1-107-203-00	■	CAP, MICA	11pF	5Z	500V
1-107-204-00	■	CAP, MICA	12pF	5Z	500V
1-107-205-00	■	CAP, MICA	13pF	5Z	500V
1-107-206-00	■	CAP, MICA	15pF	5Z	500V
1-107-207-00	■	CAP, MICA	16pF	5Z	500V
1-107-208-00	■	CAP, MICA	18pF	5Z	500V
1-107-209-00	■	CAP, MICA	20pF	5Z	500V
1-107-210-00	■	CAP, MICA	22pF	5Z	500V
1-107-211-00	■	CAP, MICA	24pF	5Z	500V
1-107-157-00	■	CAP, MICA	27pF	5Z	500V
1-107-158-00	■	CAP, MICA	30pF	5Z	500V
1-107-159-00	■	CAP, MICA	33pF	5Z	500V
1-107-074-00	■	CAP, MICA	36pF	5Z	50V
1-107-075-00	■	CAP, MICA	39pF	5Z	50V
1-107-076-00	■	CAP, MICA	43pF	5Z	50V
1-107-077-00	■	CAP, MICA	47pF	5Z	50V
1-107-164-00	■	CAP, MICA	51pF	5Z	500V
1-107-165-00	■	CAP, MICA	56pF	5Z	500V
1-107-166-00	■	CAP, MICA	62pF	5Z	500V
1-107-036-00	■	CAP, MICA	68pF	5Z	500V
1-107-167-00	■	CAP, MICA	75pF	5Z	500V
1-107-083-00	■	CAP, MICA	82pF	5Z	50V
1-107-084-00	■	CAP, MICA	91pF	5Z	50V
1-107-085-00	■	CAP, MICA	100pF	5Z	50V
1-107-086-00	■	CAP, MICA	110pF	5Z	50V
1-107-087-00	■	CAP, MICA	120pF	5Z	50V
1-109-538-00	■	CAP, MICA	130pF	5Z	100V
1-109-539-00	■	CAP, MICA	150pF	5Z	100V
1-107-090-00	■	CAP, MICA	160pF	5Z	50V
1-109-540-00	■	CAP, MICA	180pF	5Z	100V
1-109-541-00	■	CAP, MICA	200pF	5Z	100V
1-109-542-00	■	CAP, MICA	220pF	5Z	100V
1-109-545-00	■	CAP, MICA	270pF	5Z	100V
1-109-547-00	■	CAP, MICA	330pF	5Z	100V
1-109-549-00	■	CAP, MICA	390pF	5Z	100V
1-109-633-00	■	CAP, MICA	470pF	2Z	500V
1-109-555-00	■	CAP, MICA	560pF	5Z	100V
1-109-635-00	■	CAP, MICA	680pF	2Z	500V

Part No. SP Description

INDUCTOR

MICRO

1-408-397-00	■	INDUCTOR, MICRO	1.0	5Z
1-408-399-00	■	INDUCTOR, MICRO	1.5	5Z
1-408-400-00	■	INDUCTOR, MICRO	1.8	5Z
1-408-401-00	■	INDUCTOR, MICRO	2.2	5Z
1-408-403-00	■	INDUCTOR, MICRO	3.3	5Z
1-408-404-00	■	INDUCTOR, MICRO	3.9	5Z
1-408-405-00	■	INDUCTOR, MICRO	4.7	5Z
1-408-406-00	■	INDUCTOR, MICRO	5.6	5Z
1-408-407-00	■	INDUCTOR, MICRO	6.8	5Z
1-408-408-00	■	INDUCTOR, MICRO	8.2	5Z
1-408-409-00	■	INDUCTOR, MICRO	10	5Z
1-408-410-00	■	INDUCTOR, MICRO	12	5Z
1-408-411-00	■	INDUCTOR, MICRO	15	5Z
1-408-412-00	■	INDUCTOR, MICRO	18	5Z
1-408-413-00	■	INDUCTOR, MICRO	22	5Z
1-408-414-00	■	INDUCTOR, MICRO	27	5Z
1-408-415-00	■	INDUCTOR, MICRO	33	5Z
1-408-416-00	■	INDUCTOR, MICRO	39	5Z
1-408-417-00	■	INDUCTOR, MICRO	47	5Z
1-408-418-00	■	INDUCTOR, MICRO	56	5Z
1-408-419-00	■	INDUCTOR, MICRO	68	5Z
1-408-420-00	■	INDUCTOR, MICRO	82	5Z
1-408-421-00	■	INDUCTOR, MICRO	100	5Z
1-408-422-00	■	INDUCTOR, MICRO	120	5Z
1-408-423-00	■	INDUCTOR, MICRO	150	5Z
1-408-424-00	■	INDUCTOR, MICRO	180	5Z
1-408-425-00	■	INDUCTOR, MICRO	220	5Z
1-408-426-00	■	INDUCTOR, MICRO	270	5Z
1-408-427-00	■	INDUCTOR, MICRO	330	5Z
1-408-428-00	■	INDUCTOR, MICRO	390	5Z
1-408-429-00	■	INDUCTOR, MICRO	470	5Z
1-410-116-11	■	INDUCTOR, MICRO	560	5Z
1-410-492-11	■	INDUCTOR, MICRO	680	5Z
1-410-493-11	■	INDUCTOR, MICRO	820	5Z
1-410-494-11	■	INDUCTOR, MICRO	1000	5Z

Part No. SF Description

RESISTOR

CARBON

1-249-381-11 e RES, CARBON 1.0 5% 1/6W  
1-249-382-11 e RES, CARBON 1.2 5% 1/6W  
1-249-383-11 e RES, CARBON 1.5 5% 1/6W  
1-249-384-11 e RES, CARBON 1.8 5% 1/6W  
1-249-385-11 e RES, CARBON 2.2 5% 1/6W

1-249-386-11 e RES, CARBON 2.7 5% 1/6W  
1-249-387-11 e RES, CARBON 3.3 5% 1/6W  
1-249-388-11 e RES, CARBON 3.9 5% 1/6W  
1-249-389-11 e RES, CARBON 4.7 5% 1/6W  
1-249-390-11 e RES, CARBON 5.6 5% 1/6W

1-249-391-11 e RES, CARBON 6.8 5% 1/6W  
1-249-392-11 e RES, CARBON 8.2 5% 1/6W  
1-249-393-11 e RES, CARBON 10 5% 1/6W  
1-249-394-11 e RES, CARBON 12 5% 1/6W  
1-249-395-11 e RES, CARBON 15 5% 1/6W

1-249-396-11 e RES, CARBON 18 5% 1/6W  
1-249-397-11 e RES, CARBON 22 5% 1/6W  
1-249-398-11 e RES, CARBON 27 5% 1/6W  
1-249-399-11 e RES, CARBON 33 5% 1/6W  
1-249-400-11 e RES, CARBON 39 5% 1/6W

1-249-401-11 e RES, CARBON 47 5% 1/6W  
1-249-402-11 e RES, CARBON 56 5% 1/6W  
1-249-403-11 e RES, CARBON 68 5% 1/6W  
1-215-394-00 e RES, METAL 75 1% 1/6W  
1-249-404-11 e RES, CARBON 82 5% 1/6W

1-249-405-11 e RES, CARBON 100 5% 1/6W  
1-249-406-11 e RES, CARBON 120 5% 1/6W  
1-249-407-11 e RES, CARBON 150 5% 1/6W  
1-249-408-11 e RES, CARBON 180 5% 1/6W  
1-249-409-11 e RES, CARBON 220 5% 1/6W

1-249-410-11 e RES, CARBON 270 5% 1/6W  
1-249-411-11 e RES, CARBON 330 5% 1/6W  
1-249-412-11 e RES, CARBON 390 5% 1/6W  
1-249-413-11 e RES, CARBON 470 5% 1/6W  
1-249-414-11 e RES, CARBON 560 5% 1/6W

1-249-415-11 e RES, CARBON 680 5% 1/6W  
1-249-416-11 e RES, CARBON 820 5% 1/6W  
1-249-417-11 e RES, CARBON 1.0k 5% 1/6W  
1-249-418-11 e RES, CARBON 1.2k 5% 1/6W  
1-249-419-11 e RES, CARBON 1.5k 5% 1/6W

1-249-420-11 e RES, CARBON 1.8k 5% 1/6W  
1-249-421-11 e RES, CARBON 2.2k 5% 1/6W  
1-249-422-11 e RES, CARBON 2.7k 5% 1/6W  
1-249-423-11 e RES, CARBON 3.3k 5% 1/6W  
1-249-424-11 e RES, CARBON 3.9k 5% 1/6W

1-249-425-11 e RES, CARBON 4.7k 5% 1/6W  
1-249-426-11 e RES, CARBON 5.6k 5% 1/6W  
1-249-427-11 e RES, CARBON 6.8k 5% 1/6W  
1-249-428-11 e RES, CARBON 8.2k 5% 1/6W  
1-249-429-11 e RES, CARBON 10k 5% 1/6W

1-249-430-11 e RES, CARBON 12k 5% 1/6W  
1-249-431-11 e RES, CARBON 15k 5% 1/6W  
1-249-432-11 e RES, CARBON 18k 5% 1/6W  
1-249-433-11 e RES, CARBON 22k 5% 1/6W  
1-249-434-11 e RES, CARBON 27k 5% 1/6W

1-249-435-11 e RES, CARBON 33k 5% 1/6W  
1-249-436-11 e RES, CARBON 39k 5% 1/6W  
1-249-437-11 e RES, CARBON 47k 5% 1/6W  
1-249-438-11 e RES, CARBON 56k 5% 1/6W  
1-249-439-11 e RES, CARBON 68k 5% 1/6W

Part No. SF Description

1-249-440-11 e RES, CARBON 82k 5% 1/6W  
1-249-441-11 e RES, CARBON 100k 5% 1/6W  
1-215-471-00 e RES, METAL 120k 1% 1/6W  
1-215-473-00 e RES, METAL 150k 1% 1/6W  
1-215-475-00 e RES, METAL 180k 1% 1/6W

1-215-477-00 e RES, METAL 220k 1% 1/6W  
1-215-479-00 e RES, METAL 270k 1% 1/6W  
1-215-481-00 e RES, METAL 330k 1% 1/6W  
1-215-483-00 e RES, METAL 390k 1% 1/6W  
1-215-485-00 e RES, METAL 470k 1% 1/6W

1-215-487-00 e RES, METAL 560k 1% 1/6W  
1-215-489-00 e RES, METAL 680k 1% 1/6W  
1-215-491-00 e RES, METAL 820k 1% 1/6W  
1-215-493-00 e RES, METAL 1.0M 1% 1/6W

Part No.	SP	Description
METAL		
1-215-373-31	RES, METAL	10 1X 1/6W
1-215-374-00	RES, METAL	11 1X 1/6W
1-215-375-00	RES, METAL	12 1X 1/6W
1-215-376-00	RES, METAL	13 1X 1/6W
1-215-377-00	RES, METAL	15 1X 1/6W
1-215-378-00	RES, METAL	16 1X 1/6W
1-215-379-00	RES, METAL	18 1X 1/6W
1-215-380-00	RES, METAL	20 1X 1/6W
1-215-381-00	RES, METAL	22 1X 1/6W
1-215-382-00	RES, METAL	24 1X 1/6W
1-215-383-00	RES, METAL	27 1X 1/6W
1-215-384-00	RES, METAL	30 1X 1/6W
1-215-385-00	RES, METAL	33 1X 1/6W
1-215-386-00	RES, METAL	36 1X 1/6W
1-215-387-00	RES, METAL	39 1X 1/6W
1-215-388-00	RES, METAL	43 1X 1/6W
1-215-389-00	RES, METAL	47 1X 1/6W
1-215-390-00	RES, METAL	51 1X 1/6W
1-215-391-00	RES, METAL	56 1X 1/6W
1-215-392-00	RES, METAL	62 1X 1/6W
1-215-393-00	RES, METAL	68 1X 1/6W
1-215-394-00	RES, METAL	75 1X 1/6W
1-215-395-00	RES, METAL	82 1X 1/6W
1-215-396-00	RES, METAL	91 1X 1/6W
1-215-397-00	RES, METAL	100 1X 1/6W
1-215-398-00	RES, METAL	110 1X 1/6W
1-215-399-00	RES, METAL	120 1X 1/6W
1-215-400-00	RES, METAL	130 1X 1/6W
1-215-401-00	RES, METAL	150 1X 1/6W
1-215-402-00	RES, METAL	160 1X 1/6W
1-215-403-00	RES, METAL	180 1X 1/6W
1-215-404-00	RES, METAL	200 1X 1/6W
1-215-405-00	RES, METAL	220 1X 1/6W
1-215-406-00	RES, METAL	240 1X 1/6W
1-215-407-00	RES, METAL	270 1X 1/6W
1-215-408-00	RES, METAL	300 1X 1/6W
1-215-409-00	RES, METAL	330 1X 1/6W
1-215-410-00	RES, METAL	360 1X 1/6W
1-215-411-00	RES, METAL	390 1X 1/6W
1-215-412-00	RES, METAL	430 1X 1/6W
1-215-413-00	RES, METAL	470 1X 1/6W
1-215-414-00	RES, METAL	510 1X 1/6W
1-215-415-00	RES, METAL	560 1X 1/6W
1-215-416-00	RES, METAL	620 1X 1/6W
1-215-417-00	RES, METAL	680 1X 1/6W
1-215-418-00	RES, METAL	750 1X 1/6W
1-215-419-00	RES, METAL	820 1X 1/6W
1-215-420-00	RES, METAL	910 1X 1/6W
1-215-421-00	RES, METAL	1.0K 1X 1/6W
1-215-422-00	RES, METAL	1.1K 1X 1/6W
1-215-423-00	RES, METAL	1.2K 1X 1/6W
1-215-424-00	RES, METAL	1.3K 1X 1/6W
1-215-425-00	RES, METAL	1.5K 1X 1/6W
1-215-426-00	RES, METAL	1.6K 1X 1/6W
1-215-427-00	RES, METAL	1.8K 1X 1/6W
1-215-428-00	RES, METAL	2.0K 1X 1/6W
1-215-429-00	RES, METAL	2.2K 1X 1/6W
1-215-430-00	RES, METAL	2.4K 1X 1/6W
1-215-431-00	RES, METAL	2.7K 1X 1/6W
1-215-432-00	RES, METAL	3.0K 1X 1/6W

Part No.	SP	Description
1-215-433-00	RES, METAL	3.3K 1X 1/6W
1-215-434-00	RES, METAL	3.6K 1X 1/6W
1-215-435-00	RES, METAL	3.9K 1X 1/6W
1-215-436-00	RES, METAL	4.3K 1X 1/6W
1-215-437-00	RES, METAL	4.7K 1X 1/6W
1-215-438-00	RES, METAL	5.1K 1X 1/6W
1-215-439-00	RES, METAL	5.6K 1X 1/6W
1-215-440-00	RES, METAL	6.2K 1X 1/6W
1-215-441-00	RES, METAL	6.8K 1X 1/6W
1-215-442-00	RES, METAL	7.5K 1X 1/6W
1-215-443-00	RES, METAL	8.2K 1X 1/6W
1-215-444-00	RES, METAL	9.1K 1X 1/6W
1-215-445-00	RES, METAL	10K 1X 1/6W
1-215-446-00	RES, METAL	11K 1X 1/6W
1-215-447-00	RES, METAL	12K 1X 1/6W
1-215-448-00	RES, METAL	13K 1X 1/6W
1-215-449-00	RES, METAL	15K 1X 1/6W
1-215-450-00	RES, METAL	16K 1X 1/6W
1-215-451-00	RES, METAL	18K 1X 1/6W
1-215-452-00	RES, METAL	20K 1X 1/6W
1-215-453-00	RES, METAL	22K 1X 1/6W
1-215-454-00	RES, METAL	24K 1X 1/6W
1-215-455-00	RES, METAL	27K 1X 1/6W
1-215-456-00	RES, METAL	30K 1X 1/6W
1-215-457-00	RES, METAL	33K 1X 1/6W
1-215-458-00	RES, METAL	36K 1X 1/6W
1-215-459-00	RES, METAL	39K 1X 1/6W
1-215-460-00	RES, METAL	43K 1X 1/6W
1-215-461-00	RES, METAL	47K 1X 1/6W
1-215-462-00	RES, METAL	51K 1X 1/6W
1-215-463-00	RES, METAL	56K 1X 1/6W
1-215-464-00	RES, METAL	62K 1X 1/6W
1-215-465-00	RES, METAL	68K 1X 1/6W
1-215-466-00	RES, METAL	75K 1X 1/6W
1-215-467-00	RES, METAL	82K 1X 1/6W
1-215-468-00	RES, METAL	91K 1X 1/6W
1-215-469-00	RES, METAL	100K 1X 1/6W
1-215-470-00	RES, METAL	110K 1X 1/6W
1-215-471-00	RES, METAL	120K 1X 1/6W
1-215-472-00	RES, METAL	130K 1X 1/6W
1-215-473-00	RES, METAL	150K 1X 1/6W
1-215-474-00	RES, METAL	160K 1X 1/6W
1-215-475-00	RES, METAL	180K 1X 1/6W
1-215-476-00	RES, METAL	200K 1X 1/6W
1-215-477-00	RES, METAL	220K 1X 1/6W
1-215-478-00	RES, METAL	240K 1X 1/6W
1-215-479-00	RES, METAL	270K 1X 1/6W
1-215-480-00	RES, METAL	300K 1X 1/6W
1-215-481-00	RES, METAL	330K 1X 1/6W
1-215-482-00	RES, METAL	360K 1X 1/6W
1-215-483-00	RES, METAL	390K 1X 1/6W
1-215-484-00	RES, METAL	430K 1X 1/6W
1-215-485-00	RES, METAL	470K 1X 1/6W
1-215-486-00	RES, METAL	510K 1X 1/6W
1-215-487-00	RES, METAL	560K 1X 1/6W
1-215-488-00	RES, METAL	620K 1X 1/6W
1-215-489-00	RES, METAL	680K 1X 1/6W
1-215-490-00	RES, METAL	750K 1X 1/6W
1-215-491-00	RES, METAL	820K 1X 1/6W
1-215-492-00	RES, METAL	910K 1X 1/6W
1-215-493-00	RES, METAL	1.0H 1X 1/6W

Part No. SP Description

CONNECTOR

1-564-001-11 o RECEPTACLE 2P MALE (STRAIGHT TYPE)  
1-564-012-11 o RECEPTACLE 2P MALE (ANGLE TYPE)  
1-562-147-11 o HOUSING 2P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-002-11 o RECEPTACLE 3P MALE (STRAIGHT TYPE)  
1-564-013-11 o RECEPTACLE 3P MALE (ANGLE TYPE)  
1-562-148-11 o HOUSING 3P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-003-11 o RECEPTACLE 4P MALE (STRAIGHT TYPE)  
1-564-014-11 o RECEPTACLE 4P MALE (ANGLE TYPE)  
1-562-149-11 o HOUSING 4P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-004-11 o RECEPTACLE 5P MALE (STRAIGHT TYPE)  
1-564-015-11 o RECEPTACLE 5P MALE (ANGLE TYPE)  
1-562-150-11 o HOUSING 5P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-005-11 o RECEPTACLE 6P MALE (STRAIGHT TYPE)  
1-564-016-11 o RECEPTACLE 6P MALE (ANGLE TYPE)  
1-562-151-11 o HOUSING 6P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-006-11 o RECEPTACLE 7P MALE (STRAIGHT TYPE)  
1-564-017-11 o RECEPTACLE 7P MALE (ANGLE TYPE)  
1-562-152-11 o HOUSING 7P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-007-11 o RECEPTACLE 8P MALE (STRAIGHT TYPE)  
1-564-018-11 o RECEPTACLE 8P MALE (ANGLE TYPE)  
1-562-153-11 o HOUSING 8P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-008-41 o RECEPTACLE 9P MALE (STRAIGHT TYPE)  
1-564-019-11 o RECEPTACLE 9P MALE (ANGLE TYPE)  
1-562-154-11 o HOUSING 9P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-009-11 o RECEPTACLE 10P MALE (STRAIGHT TYPE)  
1-564-020-11 o RECEPTACLE 10P MALE (ANGLE TYPE)  
1-562-155-11 o HOUSING 10P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-010-21 o RECEPTACLE 11P MALE (STRAIGHT TYPE)  
1-564-021-11 o RECEPTACLE 11P MALE (ANGLE TYPE)  
1-562-156-11 o HOUSING 11P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

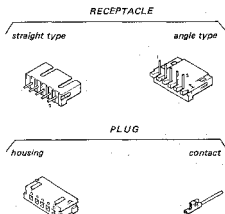
1-564-011-11 o RECEPTACLE 12P MALE (STRAIGHT TYPE)  
1-564-022-11 o RECEPTACLE 12P MALE (ANGLE TYPE)  
1-562-157-11 o HOUSING 12P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

Part No. SP Description

1-564-683-11 o RECEPTACLE 13P MALE (STRAIGHT TYPE)  
1-564-743-11 o RECEPTACLE 13P MALE (ANGLE TYPE)  
1-562-627-11 o HOUSING 13P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-069-11 o RECEPTACLE 14P MALE (STRAIGHT TYPE)  
1-564-630-11 o RECEPTACLE 14P MALE (ANGLE TYPE)  
1-562-185-11 o HOUSING 14P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32

1-564-855-11 o RECEPTACLE 15P MALE (STRAIGHT TYPE)  
1-564-877-11 o RECEPTACLE 15P MALE (ANGLE TYPE)  
1-562-958-11 o HOUSING 15P  
1-564-026-21 o CONTACT AWG24-30  
1-564-681-21 o CONTACT AWG32



Ref No. Parts No. SP Description

AC-78/78A BOARD

- 5) 1-622-704-11 o PRINTED CIRCUIT BOARD, AC-78  
6) 1-622-704-12 o PRINTED CIRCUIT BOARD, AC-78

- 1-533-189-11 o HOLDER, FUSE  
1-533-189-11 o HOLDER, FUSE

- 1-136-185-00 s FILM 0.22 20X 250V

- 1-564-241-00 o PIN, 4P  
1-562-285-11 o HOUSING, 4P  
1-562-210-11 o CONTACT  
1-564-243-00 o PIN, 6P  
1-562-287-11 o HOUSING, 6P  
1-564-242-00 o PIN, 5P  
1-562-286-11 o HOUSING, 5P

- 1-532-350-00 s FUSE 250V 4A (for EK)  
1-532-746-11 s FUSE 125V 4A (for U)

- 1-214-937-00 s CARBON 1M 5% 1/2W

S/N UP TO 14270 (EK)AC-79 BOARD

- 3) 1-622-802-11 o PRINTED CIRCUIT BOARD, AC-79  
4) 1-622-802-12 o PRINTED CIRCUIT BOARD, AC-79

- 1-136-185-00 s FILM 0.22 20X 250V  
1-136-185-00 s FILM 0.22 20X 250V  
1-136-185-00 s FILM 0.22 20X 250V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V

- 1-421-985-11 s LINE FILTER  
1-421-985-11 s LINE FILTER

S/N 14271 AND HIGHER (EK)AC-105 BOARD

- 1-633-371-11 o PRINTED CIRCUIT BOARD, AC-105  
1-136-527-12 s FILM 0.47 20X 250V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V  
1-161-741-00 s CERAMIC 0.001 10X 400V

- 1-421-944-11 s LINE FILTER  
1-421-944-11 s LINE FILTER  
1-421-944-11 s LINE FILTER

Ref No. Parts No. SP Description

AU-83A BOARD

This board includes the DUS-71 board.

A-6713-287-A o MOUNTED CIRCUIT BOARD, AU-83A

- 1-564-548-11 o PIN, BOARD TO BOARD 5P  
(AU-83A to DUS-71)

- 1-123-332-00 s ELECT 47 20X 16V  
1-109-681-61 s NICA 220PF 5X 500V  
1-162-289-31 s CERAMIC 390PF 10X 50V  
1-131-351-00 s TANTALUM 4.7 10X 25V  
1-131-358-00 s TANTALUM 6.8 10X 25V

- 1-162-286-31 s CERAMIC 220PF 10X 50V  
1-162-207-31 s CERAMIC 22PF 5X 50V  
1-131-348-00 s TANTALUM 1.5 20X 25V  
1-131-373-00 s TANTALUM 22 10X 16V  
1-131-342-00 s TANTALUM 0.15 10X 35V

- 1-162-207-31 s CERAMIC 22PF 5X 50V  
1-124-927-11 s ELECT 4.7 20X 50V  
1-123-332-00 s ELECT 47 20X 16V  
1-131-351-00 s TANTALUM 4.7 10X 25V  
1-162-207-31 s CERAMIC 22PF 5X 50V

- 1-131-373-00 s TANTALUM 15 10X 16V  
1-162-294-31 s CERAMIC 0.001 10X 50V  
1-131-373-00 s TANTALUM 22 10X 16V  
1-162-207-31 s CERAMIC 22PF 5X 50V

- 1-124-927-11 s ELECT 4.7 20X 50V  
1-131-349-00 s TANTALUM 2.2 10X 35V  
1-131-373-00 s TANTALUM 22 10X 16V  
1-162-288-31 s CERAMIC 330PF 10X 50V  
1-126-101-11 s ELECT 100 20X 16V

- 1-126-101-11 s ELECT 100 20X 16V  
1-126-101-11 s ELECT 100 20X 16V  
1-126-101-11 s ELECT 100 20X 16V  
1-126-101-11 s ELECT 100 20X 16V  
1-161-379-00 s CERAMIC 0.01 30X 16V  
1-126-101-11 s ELECT 100 20X 16V  
1-161-379-00 s CERAMIC 0.01 30X 16V

- 1-566-258-11 o BOARD TO BOARD 12P (AU-83A to RN-77)  
1-566-258-11 o BOARD TO BOARD 12P (AU-83A to RN-77)  
1-566-258-11 o BOARD TO BOARD 12P (AU-83A to RN-77)

- 1-236-010-11 s FILTER, LOW PASS  
1-236-010-11 s FILTER, LOW PASS

- 8-719-901-33 s 18S133  
8-719-901-33 s 18S133  
8-719-109-91 s R06.2ES-B  
8-719-901-33 s 18S133  
8-719-109-91 s R06.2ES-B

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
D6	8-719-901-33	s	188133
D7	8-719-901-33	s	188133
D8	8-719-200-02	s	10E-2
D9	8-719-200-02	s	10E-2
D10	8-719-901-33	s	188133
D11	8-719-901-33	s	188133
D14	8-719-901-33	s	188133
D15	8-719-901-33	s	188133
D16	8-719-901-33	s	188133
D19	8-719-901-33	s	188133
IC1	8-759-981-57	s	RC2043D-D(RAYTHEON)
IC2	8-759-981-96	s	RC4560D(RAYTHEON)
IC3	8-749-900-86	s	3X-1469L(SONY)
IC4	8-759-981-91	s	RC4558D(RAYTHEON)
IC5	8-759-981-90	s	RC4558D-D(RAYTHEON)
IC6	8-759-981-96	s	RC4560D(RAYTHEON)
21J1C7	8-720-002-92	s	TX-425M(SONY)
22J1C7	8-766-001-49	s	TX-425M(SONY)
21J1C8	8-720-002-92	s	TX-425M(SONY)
22J1C8	8-766-001-49	s	TX-425M(SONY)
IC11	8-759-982-02	s	RC4562D-D(RAYTHEON)
LV1	1-407-305-00	s	MICRO 22mH
LV2	1-407-307-00	s	MICRO 35mH
LV3	1-407-305-00	s	MICRO 22mH
LV4	1-407-305-00	s	MICRO 22mH
LV5	1-459-512-00	s	VAR 20uH
LV102	1-407-307-00	s	MICRO 35mH
LV103	1-407-307-00	s	MICRO 35mH
Q1	8-729-178-55	s	28C2785E
Q2	8-729-178-35	s	28C2785E
Q3	8-729-117-54	s	28A1175
Q4	8-729-201-05	s	28C2878-B
Q5	8-729-178-54	s	28C2785
Q6	8-729-105-72	s	28X523-11
Q7	8-729-178-54	s	28C2785
Q8	8-729-117-54	s	28A1175
Q9	8-729-900-65	s	DTA144ES
Q10	8-729-178-54	s	28C2785
Q11	8-729-178-54	s	28C2785
Q14	8-729-117-54	s	28A1175
Q15	8-729-178-54	s	28C2785
Q16	8-729-178-54	s	28C2785
Q17	8-729-900-89	s	DTG144ES
Q18	8-729-178-54	s	28C2785
Q19	8-729-201-05	s	28C2878-B
Q20	8-729-178-54	s	28C2785
Q21	8-729-178-54	s	28C2785
Q22	8-729-178-54	s	28C2785
Q23	8-729-178-54	s	28C2785
Q24	8-729-117-54	s	28A1175
Q25	8-729-201-05	s	28C2878-B
Q26	8-729-900-89	s	DTG144ES
Q27	8-729-900-65	s	DTA144ES
Q28	8-729-900-89	s	DTG144ES
Q29	8-729-201-05	s	28C2878-B
Q30	8-729-117-54	s	28A1175
Q31	8-729-178-54	s	28C2785
Q32	8-729-900-65	s	DTA144ES
Q33	8-729-900-89	s	DTG144ES

Ref No.	Parts No.	SP	Description
R12	1-247-883-00	s	CARBON 150k 5% 1/6W
R17	1-249-404-00	s	CARBON 22 5% 1/6W
R18	1-247-883-00	s	CARBON 150k 5% 1/6W
R22	1-247-887-00	s	CARBON 220k 5% 1/6W
R57	1-247-883-00	s	CARBON 150k 5% 1/6W
R65	1-247-887-00	s	CARBON 220k 5% 1/6W
R84	1-247-883-00	s	CARBON 150k 5% 1/6W
R86	1-247-845-00	s	CARBON 5.6k 5% 1/6W
P94	1-247-883-00	s	CARBON 150k 5% 1/6W
R109	1-247-895-00	s	CARBON 470k 5% 1/6W
R115	1-247-887-00	s	CARBON 220k 5% 1/6W
R138	1-247-885-00	s	CARBON 180k 5% 1/6W
R140	1-247-885-00	s	CARBON 180k 5% 1/6W
R142	1-247-883-00	s	CARBON 150k 5% 1/6W
R143	1-247-883-00	s	CARBON 150k 5% 1/6W
RV1	1-228-993-00	s	VAR, CARBON 4.7k
RV2	1-228-993-00	s	VAR, CARBON 4.7k
RV3	1-228-996-00	s	VAR, CARBON 220k
RV4	1-228-993-00	s	VAR, CARBON 4.7k
RV5	1-228-996-00	s	VAR, CARBON 47k
RV6	1-230-720-11	s	VAR, CARBON 4.7k
RV7	1-228-996-00	s	VAR, CARBON 47k
RV8	1-230-496-11	s	VAR, CARBON 10k
RV9	1-230-500-11	s	VAR, CARBON 220k
RV10	1-230-720-11	s	VAR, CARBON 4.7k
RV11	1-230-720-11	s	VAR, CARBON 4.7k
RV12	1-230-719-11	s	VAR, CARBON 2.2k
T1	1-427-284-00	s	OUTPUT

## AU-84A BOARD

This board includes the DUS-71 and HN-77 boards.

A-6713-288-A o MOUNTED CIRCUIT BOARD, AU-84A

1-564-548-11 o PIN, BOARD TO BOARD 5P (AU-84A to DUS-71)

C1	1-123-332-00	s	ELECT 47 20X 16V
C2	1-109-681-61	s	MICA 220PF 5% 500V
C3	1-162-289-31	s	CERAMIC 390PF 10X 50V
C5	1-131-351-00	s	TANTALUM 4.7 10X 25V
C6	1-131-358-00	s	TANTALUM 6.8 10X 25V
C10	1-162-286-31	s	CERAMIC 220PF 10X 50V
C11	1-162-207-31	s	CERAMIC 22PF 5% 50V
C14	1-131-348-00	s	TANTALUM 1.5 20X 25V
C26	1-131-367-00	s	TANTALUM 22 10X 16V
C32	1-131-342-00	s	TANTALUM 0.15 10X 35V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
C34	1-126-101-11	#	ELECT 100 20X 16V	IC1	8-759-981-57	#	RC0243D-D(RAYTHEON)
C37	1-162-207-31	#	CERAMIC 22FF 5X 50V	IC2	8-759-981-96	#	RC04560D(RAYTHEON)
C46	1-124-927-11	#	ELECT 4.7 20X 50V	IC3	8-749-900-86	#	RM-1465(L SONY)
C47	1-123-332-00	#	ELECT 47 20X 16V	IC4	8-759-981-91	#	RC4558D(RAYTHEON)
C48	1-131-351-00	#	TANTALUM 4.7 10X 25V	IC5	8-759-981-90	#	RC4558D-B(RAYTHEON)
C52	1-162-207-31	#	CERAMIC 22FF 5X 50V	IC6	8-759-981-96	#	RC4560D(RAYTHEON)
C55	1-131-372-00	#	TANTALUM 15 10X 16V	21)IC7	8-720-002-92	#	TX-429H(SONY)
C57	1-162-294-31	#	CERAMIC 0.001 10X 50V	22)IC7	8-766-001-49	#	TX-429H(SONY)
C60	1-131-367-00	#	TANTALUM 22 10X 16V	21)IC8	8-720-002-92	#	TX-429H(SONY)
C61	1-162-207-31	#	CERAMIC 22FF 5X 50V	22)IC8	8-766-001-49	#	TX-429H(SONY)
C64	1-124-927-11	#	ELECT 4.7 20X 50V	IC9	8-759-982-21	#	RC78105A(RAYTHEON)
C65	1-131-361-00	#	TANTALUM 2.2 10X 20V	IC10	8-759-982-44	#	RC79510A(RAYTHEON)
C66	1-131-367-00	#	TANTALUM 22 10X 16V	IC11	8-759-982-02	#	RC456 2B-D(RAYTHEON)
C73	1-126-103-11	#	ELECT 470 20X 16V				
C74	1-126-103-11	#	ELECT 470 20X 16V				
C75	1-126-101-11	#	ELECT 100 20X 16V	LV1	1-407-305-00	#	MICRO 22mH
C76	1-126-101-11	#	ELECT 100 20X 16V	LV2	1-407-307-00	#	MICRO 35mH
C77	1-126-101-11	#	ELECT 100 20X 16V	LV3	1-407-305-00	#	MICRO 22mH
C78	1-126-101-11	#	ELECT 100 20X 16V	LV4	1-407-305-00	#	MICRO 22mH
2) C81	1-162-288-31	#	CERAMIC 330FF 10X 50V	13)LV5	1-459-434-00	#	VAR 22mH
				14)LV5	1-459-512-00	#	VAR 20mH
CN4	1-563-685-11	o	BOARD TO BOARD 12P (HN-77 to AU-83A)	LV202	1-407-307-00	#	MICRO 35mH
CN4	1-506-592-11	o	PIN, BOARD TO BOARD 4P (AU-84A to HN-77)	LV203	1-407-307-00	#	MICRO 35mH
CN4	1-564-549-11	o	PIN, BOARD TO BOARD 10P (AU-84A to HN-77)				
CN5	1-563-685-11	o	BOARD TO BOARD 12P (HN-77 to AU-83A)	Q1	8-729-178-55	#	28C27855
CN5	1-564-549-11	o	PIN, BOARD TO BOARD 10P (AU-84A to HN-77)	Q2	8-729-178-55	#	28C27855
CN6	1-563-685-11	o	BOARD TO BOARD 12P (HN-77 to AU-83A)	Q3	8-729-177-54	#	28A1175
CN6	1-506-592-11	o	PIN, BOARD TO BOARD 4P (AU-84A to HN-77)	Q4	8-729-201-05	#	28C2878-B
CN6	1-564-549-11	o	PIN, BOARD TO BOARD 10P (AU-84A to HN-77)	Q5	8-729-178-54	#	28C2785
CN107	1-506-747-21	o	PIN, DIN(DIP) 64P	Q6	8-729-105-72	#	28K523-L1
CP1	1-236-010-11	#	FILTER, LOW PASS	Q7	8-729-178-54	#	28C2785
CP2	1-236-010-11	#	FILTER, LOW PASS	Q8	8-729-177-54	#	28A1175
D1	8-719-901-33	#	18S133	Q9	8-729-900-65	#	DTA144ES
D2	8-719-901-33	#	18S133	Q10	8-729-178-54	#	28C2785
D3	8-719-109-91	#	RD6.2ES-B	Q11	8-729-178-54	#	28C2785
D4	8-719-901-33	#	18S133	Q14	8-729-117-54	#	28A1175
D5	8-719-109-91	#	RD6.2ES-B	Q15	8-729-178-54	#	28C2785
D6	8-719-901-33	#	18S133	Q16	8-729-178-54	#	28C2785
D7	8-719-901-33	#	18S133	Q17	8-729-900-89	#	DTC144ES
D8	8-719-200-02	#	10E-2	Q18	8-729-178-54	#	28C2785
D9	8-719-200-02	#	10E-2	Q19	8-729-201-05	#	28C2878-B
D10	8-719-901-33	#	18S133	Q20	8-729-178-54	#	28C2785
D11	8-719-901-33	#	18S133	Q21	8-729-178-54	#	28C2785
D12	8-719-901-33	#	18S133	Q22	8-729-178-54	#	28C2785
D13	8-719-901-33	#	18S133	Q23	8-729-178-54	#	28C2785
D15	8-719-109-87	#	RD5.6ES-B	Q24	8-729-117-54	#	28A1175
D16	8-719-110-05	#	RD8.2ES-B	Q25	8-729-201-05	#	28C2878-B
D17	8-719-109-58	#	RD2.7ES-B	Q29	8-729-201-05	#	28C2878-B
D18	8-719-901-33	#	18S133	Q30	8-729-117-54	#	28A1175
D19	8-719-901-33	#	18S133	Q31	8-729-178-54	#	28C2785
				Q32	8-729-113-32	#	28B733
				Q33	8-729-178-54	#	28C2785
				Q34	8-729-117-54	#	28A1175
				Q35	8-729-177-32	#	28D773
				Q36	8-729-900-65	#	DTA144ES
				Q37	8-729-900-89	#	DTC144ES
				Q38	8-729-900-65	#	DTA144ES
				Q39	8-729-900-89	#	DTC144ES

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

R12 1-247-883-00 ■ CARBON 150k 5% 1/6W  
R17 1-249-404-00 ■ CARBON 82 5% 1/6W  
R18 1-247-883-00 ■ CARBON 150k 5% 1/6W  
R22 1-247-887-00 ■ CARBON 220k 5% 1/6W  
R37 1-247-883-00 ■ CARBON 150k 5% 1/6W

R65 1-247-887-00 ■ CARBON 220k 5% 1/6W  
R84 1-247-883-00 ■ CARBON 150k 5% 1/6W  
R86 1-247-849-00 ■ CARBON 5.6k 5% 1/6W  
R94 1-247-883-00 ■ CARBON 150k 5% 1/6W  
R109 1-247-895-00 ■ CARBON 470k 5% 1/6W

R115 1-247-887-00 ■ CARBON 220k 5% 1/6W  
R153 1-247-885-00 ■ CARBON 180k 5% 1/6W  
R156 1-247-883-00 ■ CARBON 150k 5% 1/6W  
R157 1-247-885-00 ■ CARBON 150k 5% 1/6W  
R158 1-247-885-00 ■ CARBON 180k 5% 1/6W

RV1 1-228-993-00 ■ VAR, CARBON 4.7k  
RV2 1-228-993-00 ■ VAR, CARBON 4.7k  
RV3 1-228-998-00 ■ VAR, CARBON 220k  
RV4 1-228-993-00 ■ VAR, CARBON 4.7k  
RV5 1-228-996-00 ■ VAR, CARBON 47k

RV6 1-230-720-11 ■ VAR, CARBON 4.7k  
RV7 1-228-996-00 ■ VAR, CARBON 47k  
RV8 1-230-496-11 ■ VAR, CARBON 10k  
RV9 1-230-500-11 ■ VAR, CARBON 220k  
RV10 1-230-720-11 ■ VAR, CARBON 4.7k

RV11 1-230-720-11 ■ VAR, CARBON 4.7k  
RV12 1-230-719-11 ■ VAR, CARBON 2.2k

T1 1-427-284-00 ■ TRANSFORMER, OUTPUT

AU-85A BOARD

A-6713-289-A ○ MOUNTED CIRCUIT BOARD, AU-85A

C1 1-131-360-91 ■ TANTALUM 15 10% 25V  
C2 1-131-351-00 ■ TANTALUM 4.7 10% 25V  
C4 1-131-360-91 ■ TANTALUM 15 10% 25V  
C5 1-131-351-00 ■ TANTALUM 4.7 10% 25V  
C7 1-131-343-00 ■ TANTALUM 0.22 10% 35V

C9 1-131-372-00 ■ TANTALUM 15 10% 16V  
C10 1-131-351-00 ■ TANTALUM 4.7 10% 25V  
C15 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C26 1-131-365-00 ■ TANTALUM 10 10% 16V  
C27 1-131-372-00 ■ TANTALUM 15 10% 16V

C28 1-131-372-00 ■ TANTALUM 15 10% 16V  
C29 1-131-365-00 ■ TANTALUM 10 10% 16V  
C31 1-124-927-11 ■ ELECT 4.7 20% 50V  
C33 1-131-372-00 ■ TANTALUM 15 10% 16V  
C34 1-131-351-00 ■ TANTALUM 4.7 10% 25V

C39 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C47 1-123-332-00 ■ ELECT 47 20% 16V  
C49 1-131-365-00 ■ TANTALUM 10 10% 16V  
C50 1-131-372-00 ■ TANTALUM 15 10% 16V  
C51 1-131-372-00 ■ TANTALUM 15 10% 16V  
C52 1-131-365-00 ■ TANTALUM 10 10% 16V

Ref No. Parts No. SP Description

C53 1-131-351-00 ■ TANTALUM 4.7 10% 25V  
C54 1-131-351-00 ■ TANTALUM 4.7 10% 25V  
C57 1-124-927-11 ■ ELECT 4.7 20% 50V  
7) C60 1-131-343-00 ■ TANTALUM 0.22 10% 35V  
7) C63 1-131-343-00 ■ TANTALUM 0.22 10% 35V

C68 1-124-927-11 ■ ELECT 4.7 20% 50V  
C101 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C103 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C104 1-162-285-31 ■ CERAMIC 180PF 10% 50V  
C110 1-162-286-31 ■ CERAMIC 220PF 10% 50V

C111 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C112 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C113 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C114 1-129-718-00 ■ FILM 0.022 10% 630V  
C115 1-131-356-00 ■ TANTALUM 3.3 10% 25V

C116 1-131-373-00 ■ TANTALUM 22 10% 16V  
C119 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C121 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C122 1-162-285-31 ■ CERAMIC 180PF 10% 50V  
C128 1-162-286-31 ■ CERAMIC 220PF 10% 50V

C129 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C130 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C131 1-129-718-00 ■ FILM 0.022 10% 630V  
C132 1-131-356-00 ■ TANTALUM 3.3 10% 25V  
C133 1-131-373-00 ■ TANTALUM 22 10% 16V

C136 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C138 1-162-285-31 ■ CERAMIC 180PF 10% 50V  
C139 1-131-352-00 ■ TANTALUM 6.8 10% 35V  
C140 1-162-215-31 ■ CERAMIC 47PF 5% 50V  
C143 1-162-286-31 ■ CERAMIC 220PF 10% 50V

C144 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C145 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C146 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C149 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C151 1-162-286-31 ■ CERAMIC 220PF 10% 50V

C152 1-162-285-31 ■ CERAMIC 180PF 10% 50V  
C153 1-131-352-00 ■ TANTALUM 6.8 10% 35V  
C154 1-162-215-31 ■ CERAMIC 47PF 5% 50V  
C157 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C158 1-162-286-31 ■ CERAMIC 220PF 10% 50V

C159 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C162 1-109-681-61 ■ NICA 220PF 5% 500V  
C163 1-109-681-61 ■ NICA 220PF 5% 500V  
C164 1-162-286-31 ■ CERAMIC 220PF 10% 50V  
C165 1-161-379-00 ■ CERAMIC 0.01 30% 16V

C166 1-162-215-31 ■ CERAMIC 47PF 5% 50V  
C167 1-162-215-31 ■ CERAMIC 47PF 5% 50V  
C168 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C169 1-161-379-00 ■ CERAMIC 0.01 30% 16V  
C200 1-126-103-11 ■ ELECT 470 20% 16V  
C201 1-126-103-11 ■ ELECT 470 20% 16V

CH109 1-506-747-21 ○ PIN, DIN(DIP) 64P

D1 8-719-901-33 ■ 188133  
D2 8-719-901-33 ■ 188133  
D3 8-719-901-33 ■ 188133  
D4 8-719-901-33 ■ 188133  
D5 8-719-901-33 ■ 188133

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".



Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
D6	8-719-109-91	■	RD6.2ES-B	Q116	8-729-117-54	■	2SA1175
D7	8-719-109-91	■	RD6.2ES-B	Q117	8-729-178-54	■	2SC2785
D8	8-719-901-33	■	1SS133	Q118	8-729-905-54	■	2SD1055-R
D9	8-719-901-33	■	1SS133	Q119	8-729-982-22	■	2SB822
D10	8-719-901-33	■	1SS133	Q120	8-729-117-54	■	2SA1175
D11	8-719-901-33	■	1SS133	19)Q121	8-729-201-05	■	2SC2878-B
D12	8-719-901-33	■	1SS133	20)Q121	8-729-107-84	■	2SC3623A-L
D13	8-719-901-33	■	1SS133	19)Q122	8-729-201-05	■	2SC2878-B
D14	8-719-901-33	■	1SS133	20)Q122	8-729-107-84	■	2SC3623A-L
D101	8-719-901-33	■	1SS133	Q123	8-729-178-54	■	2SC2785
D102	8-719-901-33	■	1SS133	Q124	8-729-117-54	■	2SA1175
IC1	8-759-205-76	■	TC504013BP(TOSHIBA)	Q125	8-729-201-05	■	2SC2878-B
IC2	8-759-132-40	■	UPC324C(NEC)	Q126	8-729-201-05	■	2SC2878-B
IC3	8-759-132-40	■	UPC324C(NEC)	Q127	8-729-178-54	■	2SC2785
IC4	8-759-969-13	■	SN16913P(TI)	Q128	8-729-117-54	■	2SA1175
IC5	8-759-969-13	■	SN16913P(TI)	Q129	8-729-178-54	■	2SC2785
IC6	8-759-969-13	■	SN16913P(TI)	Q130	8-729-905-53	■	2SD1055-R
IC7	8-759-969-13	■	SN16913P(TI)	Q131	8-729-982-22	■	2SB822
IC8	8-759-132-40	■	UPC324C(NEC)	Q132	8-729-178-54	■	2SC2785
IC101	8-759-981-96	■	RC4560D(RAYTHEON)	Q133	8-729-117-54	■	2SA1175
IC102	8-759-981-96	■	RC4560D(RAYTHEON)	Q134	8-729-201-05	■	2SC2878-B
L1	1-659-155-00	■	(WITH CORE) 45	Q135	8-729-201-05	■	2SC2878-B
LVI	1-407-306-00	■	MICRO 28mH	Q136	8-729-178-54	■	2SC2785
LVI2	1-407-306-00	■	MICRO 28mH	Q137	8-729-117-54	■	2SA1175
LVI3	1-407-306-00	■	MICRO 28mH	Q138	8-729-178-54	■	2SC2785
LVI4	1-407-300-00	■	MICRO 7.1mH	Q139	8-729-905-53	■	2SD1055-R
LVI5	1-407-306-00	■	MICRO 28mH	Q140	8-729-982-22	■	2SB822
LVI6	1-407-300-00	■	MICRO 7.1mH	Q144	8-729-900-74	■	DTCL437S
Q1	8-729-900-89	■	DTCL44ES	Q145	8-729-900-74	■	DTCL437S
Q2	8-729-900-89	■	DTCL44ES	Q146	8-729-178-54	■	2SC2785
Q3	8-729-900-89	■	DTCL44ES	R6	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q4	8-729-900-89	■	DTCL44ES	R12	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q5	8-729-117-54	■	2SA1175	R22	1-247-885-00	■	CARBON 180k 5% 1/6W
Q6	8-729-117-54	■	2SA1175	R24	1-247-895-00	■	CARBON 470k 5% 1/6W
Q7	8-729-900-89	■	DTCL44ES	R25	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q8	8-729-117-54	■	2SA1175	R26	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q9	8-729-117-54	■	2SA1175	R28	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q10	8-729-201-05	■	2SC2878-B	R31	1-247-881-00	■	CARBON 120k 5% 1/6W
Q11	8-729-178-54	■	2SC2785	R43	1-247-885-00	■	CARBON 180k 5% 1/6W
Q12	8-729-201-05	■	2SC2878-B	R45	1-247-895-00	■	CARBON 470k 5% 1/6W
Q13	8-729-178-54	■	2SC2785	R46	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q14	8-729-900-89	■	DTCL44ES	R47	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q101	8-729-178-54	■	2SC2785	R49	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q105	8-729-117-54	■	2SA1175	R50	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q106	8-729-178-54	■	2SC2785	R60	1-247-849-00	■	CARBON 5.6k 5% 1/6W
Q107	8-729-905-53	■	2SD1055-R	R61	1-247-881-00	■	CARBON 120k 5% 1/6W
Q108	8-729-982-22	■	2SB822	R62	1-247-881-00	■	CARBON 120k 5% 1/6W
Q109	8-729-117-54	■	2SA1175	R65	1-247-881-00	■	CARBON 120k 5% 1/6W
19)Q110	8-729-201-05	■	2SC2878-B	R66	1-247-881-00	■	CARBON 120k 5% 1/6W
20)Q110	8-729-107-84	■	2SC3623A-L	R70	1-247-887-00	■	CARBON 220k 5% 1/6W
19)Q111	8-729-201-05	■	2SC2878-B	R72	1-247-881-00	■	CARBON 120k 5% 1/6W
20)Q111	8-729-107-84	■	2SC3623A-L	R75	1-247-881-00	■	CARBON 120k 5% 1/6W
Q112	8-729-178-54	■	2SC2785	R77	1-247-755-11	■	CARBON 1.8k 5% 1/2W
				R81	1-247-849-00	■	CARBON 5.6k 5% 1/6W
				R82	1-247-881-00	■	CARBON 120k 5% 1/6W
				R83	1-247-881-00	■	CARBON 120k 5% 1/6W
				R84	1-247-887-00	■	CARBON 220k 5% 1/6W
				R86	1-247-881-00	■	CARBON 120k 5% 1/6W
				R109	1-247-895-00	■	CARBON 470k 5% 1/6W
				R116	1-249-480-11	■	CARBON 3.3 5% 1/2W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
R117	1-249-480-11	s	CARBON 3.3 5% 1/2W
R132	1-247-895-00	s	CARBON 470k 5% 1/6W
R141	1-249-480-11	s	CARBON 3.3 5% 1/2W
R142	1-249-480-11	s	CARBON 3.3 5% 1/2W
R158	1-247-887-00	s	CARBON 220k 5% 1/6W
R167	1-249-480-11	s	CARBON 3.3 5% 1/2W
R168	1-249-480-11	s	CARBON 3.3 5% 1/2W
R177	1-247-887-00	s	CARBON 220k 5% 1/6W
R187	1-249-480-11	s	CARBON 3.3 5% 1/2W
R188	1-249-480-11	s	CARBON 3.3 5% 1/2W
R199	1-247-887-00	s	CARBON 220k 5% 1/6W
R200	1-247-731-11	s	CARBON 22 5% 1/2W
R203	1-247-887-00	s	CARBON 220k 5% 1/6W
R204	1-247-731-11	s	CARBON 22 5% 1/2W

RV1	1-228-998-00	s	VAR, CARBON 220k
RV2	1-228-998-00	s	VAR, CARBON 220k
RV3	1-228-998-00	s	VAR, CARBON 22k
RV4	1-228-998-00	s	VAR, CARBON 1k
RV5	1-228-998-00	s	VAR, CARBON 47k
RV6	1-228-998-00	s	VAR, CARBON 22k
RV7	1-228-998-00	s	VAR, CARBON 1k
RV8	1-228-998-00	s	VAR, CARBON 4.7k
RV9	1-228-998-00	s	VAR, CARBON 4.7k
RV10	1-228-998-00	s	VAR, CARBON 47k
RV11	1-228-998-00	s	VAR, CARBON 47k
RV101	1-230-500-11	s	VAR, CARBON 220k
RV102	1-230-500-11	s	VAR, CARBON 220k
RV103	1-230-500-11	s	VAR, CARBON 220k
RV104	1-230-726-11	s	VAR, CARBON 470k
RV105	1-230-500-11	s	VAR, CARBON 220k
RV106	1-230-726-11	s	VAR, CARBON 470k

## AU-87 BOARD

A-6713-283-A o MOUNTED CIRCUIT BOARD, AD-87

C1	1-162-294-31	s	CERAMIC 0.001 10X 50V
C3	1-162-207-31	s	CERAMIC 22PF 5% 50V
C6	1-124-445-00	s	ELECT 100 20X 16V
C9	1-124-445-00	s	ELECT 100 20X 16V
C13	1-162-294-31	s	CERAMIC 0.001 10X 50V
C15	1-162-207-31	s	CERAMIC 22PF 5% 50V
C101	1-124-284-00	s	ELECT 10 20X 16V
C102	1-162-207-31	s	CERAMIC 22PF 5% 50V
C104	1-131-365-00	s	TANTALUM 10 10X 16V
C105	1-124-284-00	s	ELECT 10 20X 16V
C106	1-162-207-31	s	CERAMIC 22PF 5% 50V
C107	1-124-247-91	s	ELECT 10 20X 35V
C108	1-162-207-31	s	CERAMIC 22PF 5% 50V
C109	1-124-247-91	s	ELECT 10 20X 35V
C110	1-124-247-91	s	ELECT 10 20X 35V
C111	1-124-247-91	s	ELECT 10 20X 35V
C112	1-124-247-91	s	ELECT 10 20X 35V
C113	1-162-282-31	s	CERAMIC 100PF 10X 50V
C202	1-124-445-00	s	ELECT 100 20X 16V
C203	1-161-379-00	s	CERAMIC 0.01 30X 16V
C208	1-124-445-00	s	ELECT 100 20X 16V
C209	1-161-379-00	s	CERAMIC 0.01 30X 16V

D101	8-719-901-33	s	18S133
D102	8-719-901-33	s	18S133
D103	8-719-200-02	s	10E-2
D104	8-719-200-02	s	10E-2
D105	8-719-901-33	s	18S133
D106	8-719-901-33	s	18S133
D107	8-719-901-33	s	18S133
D108	8-719-901-33	s	18S133
D109	8-719-109-88	s	RD5.6ES-B1
D201	8-719-110-05	s	RD8.2ES-B
D203	8-719-110-13	s	RD9.1ES-B2
D204	8-719-110-13	s	RD9.1ES-B2
D205	8-719-109-56	s	RD2.7ES-B

IC1	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC100	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC101	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC102	8-759-208-06	s	TC4051BPR(TOSHIBA)

L1	1-407-519-00	s	8uH
L2	1-407-519-00	s	8uH
Q101	8-729-306-92	s	2SD669A
Q102	8-729-304-92	s	2SB649A
Q103	8-729-117-54	s	2SA1175
Q104	8-729-201-05	s	2SC2878-B
Q105	8-729-306-92	s	2SD669A
Q106	8-729-304-92	s	2SB649A
Q107	8-729-201-05	s	2SC2878-B
Q108	8-729-117-54	s	2SA1175
Q109	8-729-306-92	s	2SD669A
Q110	8-729-304-92	s	2SB649A
Q111	8-729-201-05	s	2SC2878-B
Q112	8-729-117-54	s	2SA1175
Q113	8-729-201-05	s	2SC2878-B
Q114	8-729-117-54	s	2SA1175
Q201	8-729-373-92	s	2SB739

Q202	8-729-378-82	s	2SD788
Q203	8-729-178-54	s	2SC2785
Q204	8-729-117-54	s	2SA1175
Q205	8-729-378-82	s	2SD788
Q206	8-729-373-92	s	2SB739

R108	1-247-727-11	s	CARBON 10 5% 1/2W
R109	1-247-727-11	s	CARBON 10 5% 1/2W
R110	1-249-479-11	s	CARBON 2.7 5% 1/2W
R120	1-247-727-11	s	CARBON 10 5% 1/2W
R121	1-247-727-11	s	CARBON 10 5% 1/2W
R122	1-249-479-11	s	CARBON 2.7 5% 1/2W
R131	1-247-727-11	s	CARBON 10 5% 1/2W
R132	1-247-727-11	s	CARBON 10 5% 1/2W
R133	1-249-479-11	s	CARBON 2.7 5% 1/2W
R202	1-247-764-11	s	CARBON 10k 5% 1/2W
R204	1-247-760-11	s	CARBON 4.7k 5% 1/2W
R205	1-247-745-11	s	CARBON 330 5% 1/2W
R208	1-247-764-11	s	CARBON 10k 5% 1/2W
R212	1-247-745-11	s	CARBON 330 5% 1/2W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV1 1-228-993-00 \* VAR, CARBON 4.7k  
 RV2 1-228-993-00 \* VAR, CARBON 4.7k  
 RV3 1-228-995-00 \* VAR, CARBON 22k

S1 1-552-574-21 \* SLIDE  
 S2 1-552-574-21 \* SLIDE

T1 1-427-585-11 \* INPUT/OUTPUT  
 T2 1-427-585-11 \* INPUT/OUTPUT  
 T101 1-427-586-11 \* INPUT/OUTPUT  
 T102 1-427-586-11 \* INPUT/OUTPUT  
 T103 1-427-586-11 \* INPUT/OUTPUT

**BC-11 BOARD**

A-6725-572-A o MOUNTED CIRCUIT BOARD, BC-11

19)IC103 1-124-445-00 \* ELECT 100 20% 16V  
 20)IC103 1-124-120-11 \* ELECT 220 20% 25V  
 C105 1-161-379-00 \* CERAMIC 0.01 30% 16V  
 C106 1-162-282-31 \* CERAMIC 100PF 10% 50V  
 C107 1-124-445-00 \* ELECT 100 20% 16V  
 C108 1-124-445-00 \* ELECT 100 20% 16V  
 C111 1-124-445-00 \* ELECT 100 20% 16V  
 C114 1-124-927-11 \* ELECT 4.7 20% 50V  
 C118 1-124-445-00 \* ELECT 100 20% 16V  
 C120 1-124-445-00 \* ELECT 100 20% 16V  
 C122 1-124-445-00 \* ELECT 100 20% 16V  
 C123 1-161-379-00 \* CERAMIC 0.01 30% 16V  
 C124 1-161-379-00 \* CERAMIC 0.01 30% 16V  
 C126 1-124-445-00 \* ELECT 100 20% 16V  
 C127 1-124-499-11 \* ELECT 1 20% 50V  
 C128 1-124-927-11 \* ELECT 4.7 20% 50V  
 C129 1-124-445-00 \* ELECT 100 20% 16V  
 C131 1-162-282-31 \* CERAMIC 100PF 10% 50V  
 C201 1-131-351-00 \* TANTALUM 4.7 10% 25V  
 C202 1-131-351-00 \* TANTALUM 4.7 10% 25V  
 C203 1-124-927-11 \* ELECT 4.7 20% 50V  
 C204 1-161-379-00 \* CERAMIC 0.01 30% 16V  
 C303 1-161-379-00 \* CERAMIC 0.01 30% 16V  
 C304 1-162-282-31 \* CERAMIC 330PF 10% 50V  
 C402 1-161-379-00 \* CERAMIC 0.01 30% 16V  
 C403 1-102-116-00 \* CERAMIC 680PF 10% 50V

CM108 1-506-747-21 o PIN, CIN(DIP) 64P

CP201 1-464-805-11 \* OSCILLATION UNIT, BIAS

D101 8-719-101-97 \* 15897-1  
 D102 8-719-101-97 \* 15897-1  
 D103 8-719-901-33 \* 158133  
 D104 8-719-901-33 \* 158133  
 D105 8-719-901-33 \* 158133

Ref No. Parts No. SP Description

D106 8-719-109-88 \* RPS.68S-B1  
 D107 8-719-901-33 \* 158133  
 D201 8-719-901-33 \* 158133  
 D202 8-719-901-33 \* 158133  
 D402 8-719-901-33 \* 158133

D403 8-719-901-33 \* 158133

IC101 8-759-981-57 \* RC2043D-D(RAYTHEON)  
 IC102 8-752-006-00 \* CX20060(SONY)  
 IC103 8-752-006-00 \* CX20060(SONY)  
 IC104 8-759-981-64 \* LM2903D(RAYTHEON)  
 15)IC103 8-759-240-53 \* TC4053BP(TOSHIBA)

16)IC105 8-759-040-53 \* MC14053BCP(MOTOROLA)  
 IC106 8-759-982-02 \* RC4562D-D(RAYTHEON)  
 15)IC107 8-759-240-53 \* TC4053BP(TOSHIBA)  
 16)IC107 8-759-040-53 \* MC14053BCP(MOTOROLA)  
 IC201 8-759-982-25 \* RC78L09A(RAYTHEON)

IC301 8-759-240-69 \* TC4069UBP(TOSHIBA)  
 15)IC302 8-759-240-24 \* TC4024BP(TOSHIBA)  
 16)IC302 8-759-000-33 \* MC14024BCP(MOTOROLA)  
 13)IC401 8-759-944-64 \* MB88525-179M(FUJITSU)  
 14)IC401 8-759-987-10 \* MB88525-201M(FUJITSU)

IC402 8-759-240-69 \* TC4069UBP(TOSHIBA)  
 IC403 8-759-240-69 \* TC4069UBP(TOSHIBA)  
 13)IC404 8-759-000-99 \* MC74HC74H(TOSHIBA)  
 14)IC404 8-759-916-29 \* SN74HC74H(TI)

L201 1-408-596-41 \* MICRO 2.7

Q102 8-729-178-54 \* 25C2785  
 Q103 8-729-178-54 \* 25C2785  
 Q104 8-729-201-05 \* 25C2878-B  
 Q105 8-729-178-54 \* 25C2785  
 Q106 8-729-178-54 \* 25C2785

Q107 8-729-178-54 \* 25C2785  
 Q108 8-729-900-89 \* DTC144ES  
 Q109 8-729-900-89 \* DTC144ES  
 Q110 8-729-201-05 \* 25C2878-B  
 Q111 8-729-178-54 \* 25C2785

Q115 8-729-117-54 \* 25A1175  
 Q116 8-729-178-54 \* 25C2785  
 Q201 8-729-201-05 \* 25C2878-B  
 Q202 8-729-117-54 \* 25A1175  
 Q401 8-729-900-89 \* DTC144ES

Q402 8-729-900-89 \* DTC144ES  
 Q403 8-729-900-89 \* DTC144ES  
 Q404 8-729-900-89 \* DTC144ES  
 Q405 8-729-900-89 \* DTC144ES  
 Q406 8-729-900-89 \* DTC144ES

Q407 8-729-900-89 \* DTC144ES  
 Q408 8-729-900-89 \* DTC144ES  
 Q409 8-729-900-89 \* DTC144ES  
 Q410 8-729-900-89 \* DTC144ES  
 Q411 8-729-900-89 \* DTC144ES

Q412 8-729-900-89 \* DTC144ES  
 Q413 8-729-900-89 \* DTC144ES  
 Q414 8-729-900-89 \* DTC144ES  
 Q415 8-729-900-89 \* DTC144ES  
 Q416 8-729-178-54 \* 25C2785

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q417 8-729-900-89 s DTC144ES  
 Q418 8-729-900-89 s DTC144ES  
 Q420 8-729-900-89 s DTC144ES  
 Q421 8-729-900-89 s DTC144ES  
 Q422 8-729-900-89 s DTC144ES

Q423 8-729-900-89 s DTC144ES  
 Q424 8-729-900-89 s DTC144ES  
 Q425 8-729-900-89 s DTC144ES  
 Q426 8-729-900-89 s DTC144ES  
 Q427 8-729-900-74 s DTC143TS

R120 1-247-849-00 s CARBON 5.6k 5% 1/6W

RV101 1-228-996-00 s VAR, CARBON 47K  
 RV102 1-228-994-00 s VAR, CARBON 10K

X301 1-567-875-11 s VIBRATOR, CERAMIC 2.27MHz  
 X401 1-567-143-00 s OSCILLATOR, CERAMIC 6MHz

**S/N UP TO 13680 (EK)**CC-31 BOARD

1-622-255-11 o PRINTED CIRCUIT BOARD, CC-31

R1 1-247-705-11 s CARBON 270 5% 1/4W  
 R2 1-247-717-11 s CARBON 2.2K 5% 1/4W  
 R3 1-247-705-11 s CARBON 270 5% 1/4W  
 R4 1-247-717-11 s CARBON 2.2K 5% 1/4W

**S/N UP TO 13680 (EK)**CC-32 BOARD

1-622-256-11 o PRINTED CIRCUIT BOARD, CC-32

IC1 8-719-940-86 s GP1L53(SHARP)

**S/N UP TO 13680 (EK)**CC-33 BOARD

1-622-257-11 o PRINTED CIRCUIT BOARD, CC-33

IC2 8-719-940-86 s GP1L53(SHARP)

**S/N 13681 AND HIGHER (EK)**CC-36 BOARD

1-627-572-12 o PRINTED CIRCUIT BOARD, CC-36

R1 1-247-705-11 s CARBON 270 5% 1/4W  
 R2 1-247-717-11 s CARBON 2.2K 5% 1/4W  
 R3 1-247-705-11 s CARBON 270 5% 1/4W  
 R4 1-247-717-11 s CARBON 2.2K 5% 1/4W

Ref No. Parts No. SP Description

IC1 8-719-940-86 s GP1L53(SHARP)

**S/N 13681 AND HIGHER (EK)**CC-37 BOARD

1-627-573-12 o PRINTED CIRCUIT BOARD, CC-37

IC2 8-719-940-86 s GP1L53(SHARP)

CP-109 BOARD

1-622-706-12 o PRINTED CIRCUIT BOARD, CP-109

C1 1-124-236-00 s ELECT 100 20% 10V  
 C2 1-124-384-00 s ELECT 47 20% 16V  
 C3 1-124-384-00 s ELECT 47 20% 16V  
 C4 1-124-384-00 s ELECT 47 20% 16V

Q1 8-729-603-50 o 2SC403SP  
 S/N 10081 and Higher  
 Q2 8-729-603-50 o 2SC403SP  
 S/N 10081 and Higher

S1 1-570-145-11 s SLIDE "75ohm ON/OFF"  
 S2 1-570-145-11 s SLIDE "75 ohm ON/OFF"  
 S3 1-570-145-11 s SLIDE "SERVO LOCK"  
 S4 1-570-145-11 s SLIDE "FRAMING"  
 S5 1-570-145-11 s SLIDE "EXT T&C"

DM-55 BOARD

A-6711-827-A o MOUNTED CIRCUIT BOARD, DM-55

1-236-046-11 s FILTER, LOW PASS

C1 1-161-494-00 s CERAMIC 0.022 30% 25V  
 C2 1-124-236-00 s ELECT 47 20% 16V  
 C3 1-161-379-00 s CERAMIC 0.01 30% 16V  
 C4 1-124-236-00 s ELECT 47 20% 16V  
 C5 1-161-379-00 s CERAMIC 0.01 30% 16V

C8 1-124-255-00 s ELECT 1 20% 50V  
 C11 1-161-494-00 s CERAMIC 0.022 30% 25V  
 C16 1-161-494-00 s CERAMIC 0.022 30% 25V  
 C25 1-124-236-00 s ELECT 47 20% 16V  
 C28 1-161-494-00 s CERAMIC 0.022 30% 25V

C29 1-161-494-00 s CERAMIC 0.022 30% 25V  
 C31 1-124-236-00 s ELECT 47 20% 16V  
 C32 1-161-494-00 s CERAMIC 0.022 30% 25V  
 C33 1-161-494-00 s CERAMIC 0.022 30% 25V  
 C35 1-161-494-00 s CERAMIC 0.022 30% 25V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C36 1-124-236-00 ■ ELECT 47 20X 10V  
 C39 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C40 1-109-489-71 ■ WCA 470FF 1X 500V  
 C43 1-124-584-00 ■ ELECT 100 20X 10V  
 C45 1-124-584-00 ■ ELECT 100 20X 10V  
 C46 1-124-584-00 ■ ELECT 100 20X 10V  
 C47 1-124-584-00 ■ ELECT 100 20X 10V  
 C51 1-124-584-00 ■ ELECT 100 20X 10V  
 C52 1-124-584-00 ■ ELECT 100 20X 10V  
 C54 1-124-584-00 ■ ELECT 100 20X 10V  
 C57 1-124-584-00 ■ ELECT 100 20X 10V  
 C59 1-124-584-00 ■ ELECT 100 20X 10V  
 C62 1-124-236-00 ■ ELECT 47 20X 16V  
 C63 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C66 1-124-584-00 ■ ELECT 100 20X 10V  
 C69 1-124-584-00 ■ ELECT 100 20X 10V  
 C71 1-124-584-00 ■ ELECT 100 20X 10V  
 C73 1-162-724-31 ■ CERAMIC 0.001 10X 50V  
 C74 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C75 1-124-462-00 ■ ELECT 10 20X 16V  
 C76 1-131-349-00 ■ TANTALUM 2.2 10X 35V  
 C77 1-124-584-00 ■ ELECT 100 20X 10V  
 C81 1-124-236-00 ■ ELECT 47 20X 16V  
 C82 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C89 1-124-584-00 ■ ELECT 100 20X 10V  
 C90 1-124-236-00 ■ ELECT 47 20X 16V  
 C91 1-124-236-00 ■ ELECT 47 20X 16V  
 C92 1-124-584-00 ■ ELECT 100 20X 10V  
 C93 1-124-236-00 ■ ELECT 47 20X 16V  
 C94 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C95 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 7) C96 1-162-730-11 ■ CERAMIC 470FF 1X 50V  
 8) C96 1-162-763-11 ■ CERAMIC 470FF 1X 50V  
 C101 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 7) C102 1-162-710-11 ■ CERAMIC 100FF 1X 50V  
 8) C102 1-162-753-11 ■ CERAMIC 100FF 5X 50V  
 7) C103 1-162-724-11 ■ CERAMIC 390FF 1X 50V  
 8) C103 1-162-760-11 ■ CERAMIC 390FF 5X 50V  
 C104 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C106 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C107 1-124-236-00 ■ ELECT 47 20X 10V  
 C101 1-124-236-00 ■ ELECT 47 20X 10V  
 C102 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C203 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C205 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C209 1-124-245-00 ■ ELECT 4.7 20X 16V  
 C210 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C212 1-124-255-00 ■ ELECT 1 20X 50V  
 C213 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C215 1-124-236-00 ■ ELECT 47 20X 16V  
 C216 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C217 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 13) C218 1-124-236-00 ■ ELECT 47 20X 16V  
 14) C218 1-124-589-11 ■ ELECT 47 20X 16V  
 C219 1-124-236-00 ■ ELECT 47 20X 16V  
 C220 1-124-584-00 ■ ELECT 100 20X 10V  
 C221 1-124-584-00 ■ ELECT 100 20X 10V  
 C222 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C232 1-124-236-00 ■ ELECT 47 20X 10V  
 C253 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 13) C301 1-124-236-00 ■ ELECT 47 20X 16V  
 14) C301 1-124-589-11 ■ ELECT 47 20X 16V  
 C302 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C303 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C304 1-161-379-00 ■ CERAMIC 0.01 30X 16V

Ref Nb. Parts No. SP Description

C305 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C307 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C309 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 7) C310 1-162-726-11 ■ CERAMIC 470FF 1X 50V  
 8) C310 1-162-761-11 ■ CERAMIC 470FF 5X 50V  
 C312 1-124-255-00 ■ ELECT 1 20X 50V  
 C313 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C401 1-124-236-00 ■ ELECT 47 20X 16V  
 C402 1-124-236-00 ■ ELECT 47 20X 16V  
 C403 1-124-584-00 ■ ELECT 100 20X 10V  
 C404 1-124-236-00 ■ ELECT 47 20X 16V  
 C405 1-124-584-00 ■ ELECT 100 20X 10V  
 C406 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C407 1-124-584-00 ■ ELECT 100 20X 10V  
 C408 1-124-584-00 ■ ELECT 100 20X 10V  
 C410 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 11) C411 1-124-236-00 ■ ELECT 47 20X 10V  
 12) C411 1-124-589-11 ■ ELECT 47 20X 10V  
 C412 1-124-236-00 ■ ELECT 47 20X 16V  
 C413 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C414 1-124-236-00 ■ ELECT 47 20X 16V  
 C417 1-124-236-00 ■ ELECT 47 20X 16V  
 C418 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C422 1-124-236-00 ■ ELECT 47 20X 16V  
 C423 1-124-236-00 ■ ELECT 47 20X 16V  
 C424 1-131-341-00 ■ TANTALUM 0.1 10X 35V  
 7) C425 1-162-726-11 ■ CERAMIC 470FF 1X 50V  
 8) C425 1-162-761-11 ■ CERAMIC 470FF 5X 50V  
 C435 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C502 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C506 1-124-584-00 ■ ELECT 100 20X 10V  
 C511 1-124-255-00 ■ ELECT 1 20X 50V  
 C512 1-124-236-00 ■ ELECT 47 20X 16V  
 C513 1-124-257-00 ■ ELECT 2.2 20X 50V  
 C520 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C521 1-124-462-00 ■ ELECT 10 20X 10V  
 C522 1-124-255-00 ■ ELECT 1 20X 50V  
 C523 1-124-257-00 ■ ELECT 2.2 20X 50V  
 C524 1-124-236-00 ■ ELECT 47 20X 16V  
 C525 1-124-236-00 ■ ELECT 47 20X 16V  
 C526 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C527 1-124-255-00 ■ ELECT 1 20X 50V  
 C529 1-124-462-00 ■ ELECT 10 20X 16V  
 11) C530 1-124-462-00 ■ ELECT 10 20X 10V  
 12) C530 1-126-157-11 ■ ELECT 10 20X 10V  
 C531 1-124-255-00 ■ ELECT 1 20X 50V  
 C532 1-124-255-00 ■ ELECT 1 20X 50V  
 C534 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C535 1-124-462-00 ■ ELECT 10 20X 16V  
 C537 1-131-353-00 ■ TANTALUM 10 10X 35V  
 C538 1-124-462-00 ■ ELECT 10 20X 16V  
 C541 1-131-344-00 ■ TANTALUM 0.33 10X 35V  
 C543 1-124-236-00 ■ ELECT 47 20X 16V  
 C544 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C547 1-131-353-00 ■ TANTALUM 10 10X 35V  
 C548 1-124-236-00 ■ ELECT 47 20X 16V  
 C549 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C550 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C552 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C553 1-161-379-00 ■ CERAMIC 0.01 30X 16V  
 C554 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C557 1-161-494-00 ■ CERAMIC 0.022 30X 25V  
 C558 1-161-494-00 ■ CERAMIC 0.022 30X 25V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D517 8-719-104-10 # 18899  
 D919 8-719-911-19 # 188119  
 D801 8-719-911-19 # 188119  
 D802 8-719-815-59 # 181555-S  
 D803 8-719-815-59 # 181555-S  
 D804 8-719-911-19 # 188119  
 D805 8-719-911-19 # 188119  
 D806 8-719-911-19 # 188119  
 D810 8-719-911-19 # 188119  
 D811 8-719-101-97 # 18897-1  
 D812 8-719-101-97 # 18897-1  
 D813 8-719-104-10 # 18899  
 D814 8-719-101-97 # 18897-1  
 D815 8-719-101-97 # 18897-1  
 D816 8-719-911-19 # 188119

DL1 1-415-154-00 # 35ns  
 DL2 1-415-154-00 # 35ns  
 DL802 1-415-471-11 # 300ns

FL1 1-235-478-11 # HIGH PASS  
 FL3 1-235-469-11 # LOW PASS  
 FL4 1-235-475-11 # LOW PASS  
 FL201 1-235-469-11 # LOW PASS  
 FL501 1-235-473-11 # LOW PASS  
 FL503 1-236-029-12 # BAND PASS  
 FL504 1-231-377-21 # BAND PASS  
 FL801 1-235-010-21 # HIGH PASS (HPP-DM)  
 FL802 1-235-011-21 # LOW PASS (LPP-CD)  
 FL803 1-235-470-11 # LOW PASS

IC1 8-751-140-10 # CX-134A (SONY)  
 IC2 8-752-006-00 # CX20060 (SONY)  
 IC3 8-741-114-00 # BX1140 (SONY)  
 IC4 8-751-250-10 # CX-135 (SONY)  
 15)IC5 8-759-240-53 # TC4053BP (TOSHIBA)  
 16)IC6 8-759-040-53 # MC14053BCP (MOTOROLA)  
 IC5 8-749-938-90 # BX389 (SONY)  
 IC7 8-741-124-90 # BX1249 (SONY)  
 IC8 8-741-124-90 # BX1249 (SONY)  
 IC9 8-759-945-58 # RC4558D (RAYTHEON)  
 IC10 8-752-006-00 # CX20060 (SONY)  
 IC12 8-749-900-93 # BX-1471 (SONY)  
 IC201 8-759-207-38 # TA737AP (TOSHIBA)  
 IC202 8-752-321-89 # CXL5003P  
 IC203 8-759-982-25 # RC78L09A (RAYTHEON)  
 IC204 8-749-938-90 # BX389 (SONY)  
 IC251 8-741-124-80 # BX1248 (SONY)  
 IC301 8-759-200-60 # TA7060AF (TOSHIBA)  
 IC302 8-752-006-00 # CX20060 (SONY)  
 IC303 8-749-900-58 # BX-1447L (SONY)  
 IC304 8-749-900-59 # BX-1448L (SONY)  
 IC401 8-743-880-00 # BX388 (SONY)  
 IC402 8-752-006-00 # CX20060 (SONY)  
 15)IC403 8-759-240-53 # TC4053BP (TOSHIBA)  
 16)IC405 8-759-040-53 # MC14053BCP (MOTOROLA)  
 IC404 8-749-900-63 # BX365AL (ROHM)  
 IC405 8-749-901-09 # BX365AL (ROHM)  
 IC406 8-749-900-63 # BX365AL (ROHM)  
 IC407 8-749-901-09 # BX365AL (ROHM)  
 IC408 8-759-201-47 # TA7357AP (TOSHIBA)  
 IC502 8-752-006-00 # CX20060 (SONY)  
 IC503 8-749-938-90 # BX389 (SONY)  
 IC504 8-752-006-00 # CX20060 (SONY)  
 IC505 8-741-125-80 # BX1258 (SONY)

Ref No. Parts No. SP Description

IC506 8-741-125-00 # BX1250 (SONY)  
 IC507 8-741-125-21 # BX1252A (SONY)  
 IC508 8-741-126-40 # BX1264 (SONY)  
 IC509 8-752-006-00 # CX20060 (SONY)  
 IC510 8-759-014-96 # MC1495P (MOTOROLA)  
 IC511 8-759-908-59 # CX-839 (SONY)  
 IC512 8-750-000-46 # CX-872TEST (SONY)  
 IC513 8-752-004-00 # CX20060 (SONY)  
 15)IC515 8-759-345-38 # ND14538RP (HITACHI)  
 16)IC515 8-759-045-38 # MC14538BCP (MOTOROLA)  
 IC516 8-749-900-87 # BX-1470L (SONY)  
 IC517 8-759-922-61 # SR15913P-A (TI)  
 IC518 8-759-200-60 # TA7060AF (TOSHIBA)  
 IC801 8-749-938-90 # BX389 (SONY)  
 IC802 8-752-006-00 # CX20060 (SONY)  
 IC803 8-752-006-00 # CX20060 (SONY)  
 IC804 8-752-006-00 # CX20060 (SONY)  
 IC805 8-759-969-13 # SR14913P (TI)  
 IC806 8-759-200-60 # TA7060AF (TOSHIBA)

L1 1-410-482-31 # MICRO 100  
 L2 1-410-087-31 # MICRO 100m  
 L3 1-410-471-11 # MICRO 12  
 L4 1-410-471-11 # MICRO 12  
 L5 1-410-087-31 # MICRO 100m  
 L7 1-410-473-11 # MICRO 18  
 L8 1-410-477-21 # MICRO 39  
 L9 1-410-092-31 # MICRO 27m  
 L15 1-410-482-31 # MICRO 100  
 L16 1-410-482-31 # MICRO 100  
 L17 1-410-482-31 # MICRO 100  
 L18 1-410-470-11 # MICRO 10  
 L19 1-410-488-11 # MICRO 6.8  
 L22 1-410-482-31 # MICRO 100  
 L24 1-410-482-31 # MICRO 100  
 L26 1-410-087-31 # MICRO 100m  
 L28 1-410-482-31 # MICRO 100  
 L201 1-410-482-31 # MICRO 100  
 L202 1-410-482-31 # MICRO 100  
 L252 1-410-482-31 # MICRO 100  
 L301 1-410-482-31 # MICRO 100  
 L401 1-410-482-31 # MICRO 100  
 L402 1-410-482-31 # MICRO 100  
 L403 1-410-482-31 # MICRO 100  
 L404 1-410-482-31 # MICRO 100  
 L501 1-410-482-31 # MICRO 100  
 L502 1-410-482-31 # MICRO 100  
 L506 1-410-482-31 # MICRO 100  
 L507 1-410-482-31 # MICRO 100  
 L508 1-410-482-31 # MICRO 100  
 L509 1-410-482-31 # MICRO 100  
 L510 1-410-476-11 # MICRO 33  
 L511 1-410-478-11 # MICRO 47  
 L512 1-410-482-31 # MICRO 100  
 L514 1-410-482-31 # MICRO 100  
 L515 1-410-489-11 # MICRO 390  
 L516 1-410-482-31 # MICRO 100  
 L517 1-410-482-31 # MICRO 100  
 L518 1-410-482-31 # MICRO 100  
 L521 1-410-482-31 # MICRO 100  
 L801 1-410-476-11 # MICRO 33  
 L802 1-410-478-11 # MICRO 47  
 L803 1-410-468-11 # MICRO 6.8  
 L804 1-410-470-11 # MICRO 10

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
L805	1-410-473-11	■	MICRO 18
L806	1-410-482-31	■	MICRO 100
L807	1-410-482-31	■	MICRO 100
L810	1-410-487-21	■	MICRO 270
L811	1-410-087-31	■	MICRO 10mH
L841	1-410-482-31	■	MICRO 100
L842	1-410-119-11	■	MICRO 1mH
L846	1-410-482-31	■	MICRO 100
L848	1-410-473-11	■	MICRO 18
L850	1-410-471-11	■	MICRO 12
L851	1-410-476-11	■	MICRO 33
LVI	1-407-572-00	■	VAR 33
LV301	1-407-565-00	■	VAR 2.2
LV501	1-407-268-00	■	MICRO 1.5mH
Q1	8-729-603-50	■	2SC4035P
Q2	8-729-603-50	■	2SC4035P
Q3	8-729-603-50	■	2SC4035P
Q4	8-729-611-53	■	2SA1115-F
Q5	8-729-900-89	■	DTIC144ES
Q6	8-729-201-05	■	2SC2878-B
Q7	8-729-603-50	■	2SC4035P
Q8	8-729-603-50	■	2SC4035P
Q9	8-729-603-50	■	2SC4035P
Q10	8-729-900-89	■	DTIC144ES
Q11	8-729-113-32	■	2SB733
Q12	8-729-119-78	■	2SC2785-HFE
Q13	8-729-603-50	■	2SC4035P
Q14	8-729-603-50	■	2SC4035P
Q15	8-729-900-89	■	DTIC144ES
Q16	8-729-119-78	■	2SC2785-HFE
Q17	8-729-603-50	■	2SC4035P
Q18	8-729-611-53	■	2SA1115-F
Q19	8-729-603-50	■	2SC4035P
Q20	8-729-603-50	■	2SC4035P
Q21	8-729-201-05	■	2SC2878-B
Q22	8-729-603-50	■	2SC4035P
Q23	8-729-603-50	■	2SC4035P
Q24	8-729-603-50	■	2SC4035P
Q25	8-729-105-72	■	2SK523-L1
Q26	8-729-201-05	■	2SC2878-B
Q27	8-729-201-05	■	2SC2878-B
Q28	8-729-603-50	■	2SC4035P
Q29	8-729-611-53	■	2SA1115-F
Q30	8-729-603-50	■	2SC4035P
Q31	8-729-603-50	■	2SC4035P
Q32	8-729-603-50	■	2SC4035P
Q33	8-729-603-50	■	2SC4035P
Q34	8-729-603-50	■	2SC4035P
Q35	8-729-603-50	■	2SC4035P
Q36	8-729-603-50	■	2SC4035P
Q37	8-729-201-05	■	2SC2878-B
Q38	8-729-603-50	■	2SC4035P
Q39	8-729-603-50	■	2SC4035P
Q40	8-729-900-89	■	DTIC144ES
Q101	8-729-603-50	■	2SC4035P
Q102	8-729-900-89	■	DTIC144ES
Q103	8-729-201-05	■	2SC2878-B
Q104	8-729-603-50	■	2SC4035P
Q105	8-729-603-50	■	2SC4035P

Ref No.	Parts No.	SP	Description
Q201	8-729-603-50	■	2SC4035P
Q202	8-729-611-53	■	2SA1115-F
Q301	8-729-119-78	■	2SC2785-HFE
Q302	8-729-201-05	■	2SC2878-B
Q303	8-729-900-89	■	DTIC144ES
Q304	8-729-119-78	■	2SC2785-HFE
Q305	8-729-119-78	■	2SC2785-HFE
Q306	8-729-119-78	■	2SC2785-HFE
Q307	8-729-119-78	■	2SC2785-HFE
Q308	8-729-900-89	■	DTIC144ES
Q309	8-729-119-78	■	2SC2785-HFE
Q310	8-729-119-78	■	2SC2785-HFE
Q311	8-729-900-89	■	DTIC144ES
Q401	8-729-900-89	■	DTIC144ES
Q402	8-729-603-50	■	2SC4035P
Q403	8-729-201-05	■	2SC2878-B
Q404	8-729-201-05	■	2SC2878-B
Q405	8-729-603-50	■	2SC4035P
Q406	8-729-275-42	■	2SC2754-Y
Q407	8-729-275-42	■	2SC2754-Y
Q408	8-729-900-89	■	DTIC144ES
Q409	8-729-611-53	■	2SA1115-F
Q410	8-729-611-53	■	2SA1115-F
Q411	8-729-611-53	■	2SA1115-F
Q412	8-729-611-53	■	2SA1115-F
13) Q413	8-729-900-89	■	DTIC144ES
14) Q413	8-729-281-52	■	2SC1815
Q501	8-729-119-78	■	2SC2785-HFE
Q506	8-729-603-50	■	2SC4035P
Q507	8-729-201-05	■	2SC2878-B
Q508	8-729-603-50	■	2SC4035P
Q509	8-729-603-50	■	2SC4035P
Q510	8-729-611-53	■	2SA1115-F
Q511	8-729-119-78	■	2SC2785-HFE
Q512	8-729-900-89	■	DTIC144ES
Q513	8-729-900-89	■	DTIC144ES
Q514	8-729-900-89	■	DTIC144ES
Q520	8-729-603-50	■	2SC4035P
Q521	8-729-900-89	■	DTIC144ES
Q522	8-729-603-50	■	2SC4035P
Q523	8-729-900-89	■	DTIC144ES
Q524	8-729-603-50	■	2SC4035P
Q525	8-729-119-78	■	2SC2785-HFE
Q526	8-729-119-78	■	2SC2785-HFE
Q527	8-729-611-53	■	2SA1115-F
Q528	8-729-201-05	■	2SC2878-B
Q529	8-729-201-05	■	2SC2878-B
Q530	8-729-201-05	■	2SC2878-B
Q532	8-729-900-89	■	DTIC144ES
Q544	8-729-201-05	■	2SC2878-B
Q545	8-729-603-50	■	2SC4035P
Q546	8-729-603-50	■	2SC4035P
Q547	8-729-603-50	■	2SC4035P
Q548	8-729-603-50	■	2SC4035P
14) Q555	8-729-900-89	■	DTIC144ES
Q601	8-729-603-50	■	2SC4035P
Q602	8-729-603-50	■	2SC4035P
Q603	8-729-603-50	■	2SC4035P
Q604	8-729-603-50	■	2SC4035P
Q605	8-729-603-50	■	2SC4035P
Q606	8-729-201-05	■	2SC2878-B
Q607	8-729-603-50	■	2SC4035P
Q608	8-729-603-50	■	2SC4035P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".



Ref No. Parts No. SP Description

Q809 8-729-603-50 # 28C403SP  
 Q810 8-729-603-50 # 28C403SP  
 Q811 8-729-119-78 # 25C2785-RFE  
 Q812 8-729-603-50 # 28C403SP  
 Q820 8-729-603-50 # 28C403SP

Q821 8-729-603-50 # 28C403SP  
 Q822 8-729-603-50 # 28C403SP  
 Q823 8-729-611-53 # 28A1115-F  
 Q824 8-729-603-50 # 28C403SP  
 Q825 8-729-603-50 # 28C403SP

11)Q826 8-729-603-50 # 28C403SP  
 12)Q826 8-729-119-78 # 25C2785-RFE  
 Q827 8-729-201-05 # 25C2878-B  
 Q828 8-729-603-50 # 28C403SP  
 13)Q830 8-729-901-41 # 25C1740S-R

12)Q830 8-729-119-78 # 25C2785-RFE  
 Q831 8-729-119-78 # 25C2785-RFE  
 Q832 8-729-603-50 # 28C403SP  
 Q833 8-729-603-50 # 28C403SP  
 Q836 8-729-603-50 # 28C403SP

Q837 8-729-603-50 # 28C403SP  
 Q838 8-729-603-50 # 28C403SP  
 Q839 8-729-900-89 # D7C144ES  
 Q842 8-729-603-50 # 28C403SP  
 Q843 8-729-603-50 # 28C403SP

R97 1-247-887-00 # CARBON 220k 5% 1/4W  
 R129 1-215-390-91 # METAL 51 1% 1/6W  
 R406 1-247-849-00 # CARBON 5.6k 5% 1/4W  
 R445 1-247-883-00 # CARBON 150k 5% 1/4W  
 R446 1-247-893-00 # CARBON 470k 5% 1/4W

R563 1-247-849-00 # CARBON 5.6k 5% 1/4W  
 R613 1-247-893-00 # CARBON 470k 5% 1/4W  
 R623 1-247-883-00 # CARBON 5.6k 5% 1/4W  
 R625 1-247-849-00 # CARBON 5.6k 5% 1/4W  
 R699 1-247-849-00 # CARBON 5.6k 5% 1/4W

R704 1-215-390-91 # METAL 51 1% 1/6W  
 R800 1-247-903-00 # CARBON 1k 5% 1/4W  
 R895 1-215-390-91 # METAL 51 1% 1/6W  
 R835 1-215-390-91 # METAL 51 1% 1/6W

RV1 1-228-990-00 # VAR. CARBON 1k  
 RV2 1-228-990-00 # VAR. CARBON 1k  
 RV3 1-228-990-00 # VAR. CARBON 1k  
 RV4 1-228-991-00 # VAR. CARBON 2.2k  
 RV5 1-228-991-00 # VAR. CARBON 2.2k

RV8 1-228-993-00 # VAR. CARBON 22k  
 RV9 1-228-991-00 # VAR. CARBON 2.2k  
 RV10 1-228-991-00 # VAR. CARBON 2.2k  
 RV11 1-228-991-00 # VAR. METAL GLAZE 2.2k  
 RV12 1-228-991-00 # VAR. CARBON 2.2k

RV13 1-228-993-00 # VAR. CARBON 22k  
 RV15 1-228-990-00 # VAR. CARBON 1k  
 RV16 1-228-991-00 # VAR. METAL GLAZE 2.2k  
 RV17 1-228-991-00 # VAR. CARBON 2.2k  
 RV201 1-228-989-00 # VAR. CARBON 470

RV251 1-228-993-00 # VAR. CARBON 4.7k  
 RV301 1-228-994-00 # VAR. CARBON 10k  
 RV401 1-228-991-00 # VAR. CARBON 2.2k  
 RV402 1-228-990-00 # VAR. METAL GLAZE 1k  
 RV403 1-228-993-00 # VAR. CARBON 4.7k

Ref No. Parts No. SP Description

RV501 1-228-991-00 # VAR. CARBON 2.2k  
 RV503 1-228-991-00 # VAR. CARBON 2.2k  
 RV504 1-228-989-00 # VAR. CARBON 470  
 RV505 1-228-993-00 # VAR. METAL GLAZE 4.7k  
 RV506 1-228-993-00 # VAR. CARBON 22k

RV507 1-228-994-00 # VAR. CARBON 10k  
 RV508 1-228-994-00 # VAR. CARBON 10k  
 RV509 1-228-993-00 # VAR. CARBON 22k  
 RV510 1-228-994-00 # VAR. CARBON 10k  
 RV511 1-228-993-00 # VAR. CARBON 22k

RV513 1-228-991-00 # VAR. CARBON 2.2k  
 RV514 1-228-991-00 # VAR. CARBON 2.2k  
 RV516 1-228-990-00 # VAR. CARBON 1k  
 RV517 1-228-990-00 # VAR. CARBON 1k  
 RV518 1-228-993-00 # VAR. METAL GLAZE 4.7k

RV519 1-228-993-00 # VAR. CARBON 22k  
 RV521 1-228-991-00 # VAR. CARBON 2.2k  
 RV522 1-228-993-00 # VAR. METAL GLAZE 4.7k  
 RV523 1-228-991-00 # VAR. CARBON 2.2k  
 RV801 1-228-993-00 # VAR. METAL GLAZE 4.7k

RV802 1-228-990-00 # VAR. CARBON 1k  
 RV803 1-228-990-00 # VAR. CARBON 1k  
 RV804 1-228-994-00 # VAR. CARBON 10k  
 RV805 1-228-993-00 # VAR. CARBON 22k  
 RV806 1-228-991-00 # VAR. CARBON 2.2k

RV807 1-228-997-00 # VAR. CARBON 100k  
 RV808 1-228-996-00 # VAR. CARBON 47k  
 RV809 1-228-990-00 # VAR. CARBON 1k  
 RV810 1-228-991-00 # VAR. CARBON 2.2k  
 RV811 1-228-990-00 # VAR. CARBON 1k

S301 1-552-509-00 # DIP  
 S302 1-552-509-00 # DIP

T501 1-425-880-21 # TRANSFORMER, BURST AMP

TH1 1-800-200-00 # THERMISTOR S-3K  
 TH2 1-800-200-00 # THERMISTOR S-3K  
 TH3 1-800-202-XX # THERMISTOR S-10K

X501 1-567-504-11 # CRYSTAL, OSC 4.433619MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DR-53 BOARD

This board includes the DR-59 board.

A-5715-367-A o MOUNTED CIRCUIT BOARD, DR-53

C9	1-102-121-00	o	CERAMIC	0.0022 10X 50V
C10	1-102-121-00	o	CERAMIC	0.0022 10X 50V
C11	1-102-121-00	o	CERAMIC	0.0022 10X 50V
C12	1-102-121-00	o	CERAMIC	0.0022 10X 50V

CM1	1-566-096-11	o	PIN, BOARD TO BOARD 12P (DR-53 to DR-59)
CN506	1-508-900-00	o	(N) 2F

D1	8-719-911-55	o	HD50
D2	8-719-200-02	o	10E-2
D3	8-719-200-02	o	10E-2
D4	8-719-200-02	o	10E-2

AF51	1-532-686-00	o	LINK, IC
PF2	1-532-686-00	o	LINK, IC

Q1	8-729-114-11	o	25A1141
Q2	8-729-102-57	o	28C3012
Q3	8-729-114-11	o	25A1141
Q4	8-729-102-57	o	28C3012
Q5	8-729-177-43	o	28D774

Q6	8-729-376-83	o	28A768-Y
Q7	8-729-376-83	o	28A768-Y
Q8	8-729-177-43	o	28D774
Q9	8-729-376-83	o	28A768-Y
Q10	8-729-376-83	o	28A768-Y

Q101	8-729-177-43	o	28D774
Q102	8-729-103-43	o	28B734
Q103	8-729-177-43	o	28D774
Q104	8-729-103-43	o	28B734

R2	1-217-156-00	o	VAR, METAL PLATE 0.22
R4	1-217-156-00	o	VAR, METAL PLATE 0.22
R5	1-247-887-00	o	CARBON 220k 5% 1/6W
R6	1-207-628-00	o	WIREWOUND 1 10X 3W
R7	1-247-887-00	o	CARBON 220k 5% 1/6W

R8	1-207-628-00	o	WIREWOUND 1 10X 3W
R101	1-247-887-00	o	CARBON 220k 5% 1/6W
R102	1-247-741-11	o	CARBON 150 5% 1/2W
R103	1-215-914-11	o	WIREWOUND 330 10X 3W
R104	1-207-628-00	o	WIREWOUND 10 10X 3W

R105	1-247-887-00	o	CARBON 220k 5% 1/6W
R106	1-247-741-11	o	CARBON 150 5% 1/2W
R107	1-215-914-11	o	WIREWOUND 330 10X 3W
R108	1-207-628-00	o	WIREWOUND 10 10X 3W

RV1	1-228-989-00	o	VAR, CARBON 470
RV2	1-228-989-00	o	VAR, CARBON 470

Ref No. Parts No. SP Description

DSC-44 BOARD

A-5717-460-A o MOUNTED CIRCUIT BOARD, DSC-44

C1	1-124-445-00	o	ELECT 100 20X 16V
C2	1-161-494-00	o	CERAMIC 0.022 30X 25V
C3	1-124-445-00	o	ELECT 100 20X 16V
C4	1-161-494-00	o	CERAMIC 0.022 30X 25V
C6	1-123-617-00	o	ELECT 10 20X 16V

C7	1-123-617-00	o	ELECT 10 20X 16V
C8	1-161-494-00	o	CERAMIC 0.022 30X 25V
C9	1-123-617-00	o	ELECT 10 20X 16V
C10	1-124-463-00	o	ELECT 0.1 20X 50V
C11	1-162-290-31	o	CERAMIC 470PF 10X 50V

C13	1-162-290-31	o	CERAMIC 470PF 10X 50V
C14	1-161-494-00	o	CERAMIC 0.022 30X 25V
C15	1-161-494-00	o	CERAMIC 0.022 30X 25V
C16	1-123-617-00	o	ELECT 10 20X 16V
C21	1-107-163-00	o	MICA 47PF 5X 500V

C23	1-161-494-00	o	CERAMIC 0.022 30X 25V
C24	1-161-494-00	o	CERAMIC 0.022 30X 25V
C26	1-102-112-00	o	CERAMIC 330PF 10X 50V
C27	1-102-112-00	o	CERAMIC 330PF 10X 50V

CN230 1-506-747-21 o PIN, DIN(DIP) 64P

CV1 1-141-260-00 o TRIMAR, CERAMIC

D1	8-719-144-07	o	RD2.4E-B
D2	8-719-911-19	o	188119
D3	8-719-911-19	o	188119

IC1	8-759-102-37	o	UPD4652BC(TOSHIBA)
IC2	8-759-201-47	o	TA7357AP(TOSHIBA)
IC3	8-759-982-25	o	IC78L09A(KAYTHRON)
IC4	8-759-908-23	o	M88303(FUJITSU)
IC5	8-759-220-64	o	TC40H004P(TOSHIBA)

IC6 8-759-045-38 o MC14538BCP(MOTOROLA)

Q1	8-729-178-54	o	28C2785
Q2	8-729-178-54	o	28C2785
Q4	8-729-178-54	o	28C2785
Q5	8-729-178-54	o	28C2785
Q6	8-729-117-54	o	25A1175

R34	1-247-883-00	o	CARBON 150k 5% 1/6W
R36	1-247-895-00	o	CARBON 470k 5% 1/6W

RV1 1-228-996-00 o VAR, CARBON 47k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DUS-71 BOARD

All of the component parts on the DUS-71 board are supplied together when you order AU-83A board.

1-615-169-11 o PRINTED CIRCUIT BOARD, DUS-71

LV102 1-407-307-00 s MICRO 33mH  
 LV103 1-407-307-00 s MICRO 33mH

DUS-71 BOARD

All of the component parts on the DUS-71 board are supplied together when you order AU-84A board.

1-615-169-11 o PRINTED CIRCUIT BOARD, DUS-71

LV202 1-407-307-00 s MICRO 33mH  
 LV203 1-407-307-00 s MICRO 33mH

DUS-92 BOARD

1-615-924-11 o PRINTED CIRCUIT BOARD, DUS-92

DUS-147 BOARD

1-622-261-11 o PRINTED CIRCUIT BOARD, DUS-147

DUS-177 BOARD

1-622-715-11 o PRINTED CIRCUIT BOARD, DUS-177

DUS-178 BOARD

1-622-716-11 o PRINTED CIRCUIT BOARD, DUS-178

EX-127 BOARD

A-6729-494-A s MOUNTED CIRCUIT BOARD, EX-127

CN1 1-506-747-21 o PIN, DIN (DIP) 64P  
 CN2 1-563-340-21 o HOUSING, (DIP) 64P

Ref No. Parts No. SP Description

EX-128 BOARD

A-6729-495-A s MOUNTED CIRCUIT BOARD, EX-128

CN1 1-506-747-21 o PIN, DIN (DIP) 64P  
 CN2 1-563-340-21 o HOUSING, (DIP) 64P  
 CN3 1-506-747-21 o PIN, DIN (DIP) 64P  
 CN4 1-563-340-21 o HOUSING, (DIP) 64P

HN-80 BOARD

1-622-725-11 o PRINTED CIRCUIT BOARD, HN-80

C1 1-161-379-00 s CERAMIC 0.01 30X 16V  
 C2 1-161-379-00 s CERAMIC 0.01 30X 16V  
 C3 1-161-379-00 s CERAMIC 0.01 30X 16V

CH277 1-566-508-11 o PLUG, (PCB-PCB) 20P  
 CH228 1-566-508-11 o PLUG, (PCB-PCB) 20P  
 CH631 1-506-813-11 o BOARD IN CONNECTOR, 4P  
 CH652 1-506-819-11 o BOARD IN CONNECTOR, 10P  
 CH654 1-506-812-11 o BOARD IN CONNECTOR, 3P

CH655 1-506-814-11 o BOARD IN CONNECTOR, 5P  
 CH658 1-506-814-11 o BOARD IN CONNECTOR, 5P

D1 8-719-200-02 s 10E-2  
 D2 8-719-911-19 s 15S119  
 D3 8-719-911-19 s 15S119  
 D5 8-719-200-02 s 10E-2  
 D6 8-719-200-02 s 10E-2

IC1 8-759-600-24 s M543431(MITSUBISHI)

APSI 1-532-686-00 s LINK, TC

HN-83 BOARD

1-622-719-11 o PRINTED CIRCUIT BOARD, HN-83

HN-84 BOARD

1-622-726-11 o PRINTED CIRCUIT BOARD, HN-84

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

**HP-28 BOARD**

1-622-730-11 o PRINTED CIRCUIT BOARD, HP-28

C21 1-161-379-00 a CERAMIC 0.01 30X 16V

**S/N UP TO 12080 (EK)**

**KY-101 BOARD**

This board includes the DP-62 board.

A-6717-459-A o MOUNTED CIRCUIT BOARD, KY-101

BT1 1-528-229-11 o BATTERY, LITHIUM (CR-2450)

C2 1-162-210-31 a CERAMIC 30PF 5% 50V  
C3 1-162-210-31 a CERAMIC 30PF 5% 50V  
C8 1-125-443-11 a DOUBLE LAYERS 0.047F 5.5V  
C9 1-124-245-00 a ELECT 4.7 20X 16V  
C10 1-161-379-00 a CERAMIC 0.01 30X 16V

C12 1-162-210-31 a CERAMIC 30PF 5% 50V  
C13 1-162-210-31 a CERAMIC 30PF 5% 50V  
C17 1-124-245-00 a ELECT 4.7 20X 16V  
C101 1-131-346-00 a TANTALUM 0.68 10X 35V  
C102 1-131-346-00 a TANTALUM 0.68 10X 35V

C103 1-131-346-00 a TANTALUM 0.68 10X 35V  
C104 1-131-346-00 a TANTALUM 0.68 10X 35V  
C105 1-131-346-00 a TANTALUM 0.68 10X 35V  
C106 1-131-346-00 a TANTALUM 0.68 10X 35V  
C107 1-131-346-00 a TANTALUM 0.68 10X 35V

C108 1-131-346-00 a TANTALUM 0.68 10X 35V  
C109 1-131-346-00 a TANTALUM 0.68 10X 35V

CH1 1-506-696-11 o HEADER 10P  
CH3 1-557-237-11 o WIRE, FLAT TYPE 23P  
(KY-101 to DP-62)

D1 8-719-911-19 a 18S119  
D2 8-719-911-19 a 18S119  
D3 8-719-911-19 a 18S119  
D4 8-719-911-19 a 18S119  
D5 8-719-911-19 a 18S119

D6 8-719-911-19 a 18S119  
D7 8-719-911-19 a 18S119  
D8 8-719-911-19 a 18S119  
D9 8-719-911-19 a 18S119  
D10 8-719-911-19 a 18S119

D11 8-719-911-19 a 18S119  
D12 8-719-911-19 a 18S119  
D13 8-719-911-19 a 18S119  
D14 8-719-911-19 a 18S119  
D15 8-719-911-19 a 18S119

Ref No. Parts No. SP Description

D16 8-719-911-19 a 18S119  
D17 8-719-911-19 a 18S119  
D18 8-719-911-19 a 18S119  
D19 8-719-911-19 a 18S119  
D20 8-719-911-19 a 18S119

D21 8-719-911-19 a 18S119  
D22 8-719-911-19 a 18S119  
D23 8-719-911-19 a 18S119  
D24 8-719-911-19 a 18S119  
D25 8-719-911-19 a 18S119

D26 8-719-911-19 a 18S119  
D27 8-719-911-19 a 18S119  
D28 8-719-911-19 a 18S119  
D29 8-719-904-55 a GL-5HD5  
D30 8-719-904-55 a GL-5HD5

D31 8-719-904-55 a GL-5HD5  
D32 8-719-904-55 a GL-5HD5  
D33 8-719-904-55 a GL-5HD5  
D34 8-719-904-55 a GL-5HD5  
D35 8-719-904-55 a GL-5HD5

D36 8-719-904-55 a GL-5HD5  
D37 8-719-904-55 a GL-5HD5  
D38 8-719-904-55 a GL-5HD5  
D39 8-719-800-86 a TLG255  
D40 8-719-800-86 a TLG255

D41 8-719-904-55 a GL-5HD5  
D42 8-719-904-55 a GL-5HD5  
D43 8-719-904-55 a GL-5HD5  
D44 8-719-904-55 a GL-5HD5  
D45 8-719-911-19 a 18S119

D46 8-719-911-19 a 18S119  
D48 8-719-200-02 a 10E-2  
D49 8-719-911-19 a 18S119  
D50 8-719-200-02 a 10E-2  
D51 8-719-911-19 a 18S119

D52 8-719-911-19 a 18S119  
D53 8-719-802-11 a TLG154  
D54 8-719-911-19 a 18S119  
D55 8-719-911-19 a 18S119  
D201 8-719-942-19 a LB-402VK

D202 8-719-942-19 a LB-402VK  
D203 8-719-942-19 a LB-402VK  
D204 8-719-942-19 a LB-402VK

IC1 8-759-605-23 a M50747H-601SP(MITSUBISHI)  
IC2 8-759-645-16 a M54516P(MITSUBISHI)  
IC3 8-759-645-16 a M54516P(MITSUBISHI)  
IC4 8-759-645-16 a M54516P(MITSUBISHI)  
IC5 8-759-600-68 a M54562P(MITSUBISHI)

IC6 8-759-171-05 a UP7C805H(NEC)  
IC7 8-759-937-29 a M88201H-539M(FUJITSU)  
IC101 8-759-600-61 a M54529AP(MITSUBISHI)  
IC102 8-759-600-61 a M54529AP(MITSUBISHI)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

## S/N 12081 AND HIGHER(EK)

Ref No. Parts No. SF Description

Q1 8-729-900-67 \* DTA124XS  
 Q2 8-729-900-67 \* DTA124XS  
 Q3 8-729-900-67 \* DTA124XS  
 Q4 8-729-900-67 \* DTA124XS  
 Q5 8-729-275-42 \* 28C2754-Y

Q6 8-729-275-42 \* 28C2754-Y  
 Q8 8-729-117-54 \* 28A1175  
 Q9 8-729-117-54 \* 28A1175  
 Q10 8-729-117-54 \* 28A1175  
 Q11 8-729-117-54 \* 28A1175

Q12 8-729-117-54 \* 28A1175  
 Q13 8-729-117-54 \* 28A1175  
 Q14 8-729-117-54 \* 28A1175  
 Q15 8-729-900-89 \* DTG144BS  
 Q101 8-729-117-54 \* 28A1175

Q102 8-729-117-54 \* 28A1175  
 Q103 8-729-117-54 \* 28A1175  
 Q104 8-729-117-54 \* 28A1175  
 Q105 8-729-117-54 \* 28A1175  
 Q106 8-729-117-54 \* 28A1175  
 Q107 8-729-117-54 \* 28A1175  
 Q108 8-729-117-54 \* 28A1175  
 Q109 8-729-117-54 \* 28A1175

S1 1-552-539-00 \* KEY BOARD "OUT"  
 S2 1-552-539-00 \* KEY BOARD "IN"  
 S3 1-552-539-00 \* KEY BOARD "REVIEW"  
 S4 1-552-539-00 \* KEY BOARD "AUTO EDIT"  
 S5 1-552-539-00 \* KEY BOARD "PREVIEW"

S6 1-552-539-00 \* KEY BOARD "ASSEMBLY"  
 S7 1-552-539-00 \* KEY BOARD "VIDEO"  
 S8 1-552-539-00 \* KEY BOARD "AU CH-1"  
 S9 1-552-539-00 \* KEY BOARD "AU CH-2"  
 S10 1-554-039-11 \* PUSH "STANDBY"  
 S11 1-571-167-11 \* TACTIL "STANDBY"  
 S12 1-554-039-11 \* PUSH "PREROLL"  
 S13 1-571-167-11 \* TACTIL "PREROLL"  
 S14 1-554-040-21 \* PUSH "REC"  
 S15 1-571-168-21 \* TACTIL "REC"  
 S16 1-571-168-21 \* TACTIL "REC"  
 S17 1-554-039-11 \* PUSH "PLAY"  
 S18 1-571-167-11 \* TACTIL "PLAY"  
 S19 1-554-039-41 \* PUSH "F FWD"  
 S20 1-571-167-41 \* TACTIL "F FWD"  
 S21 1-571-169-21 \* TACTIL "STOP"  
 S22 1-516-994-00 \* LEVER SLIDE "PB/EE"

S23 1-552-539-00 \* KEY BOARD "SEARCH"  
 S24 1-571-169-11 \* TACTIL "EJECT"  
 S25 1-554-039-51 \* PUSH "REW"  
 S26 1-571-167-31 \* TACTIL "REW"  
 S27 1-554-039-21 \* PUSH "FWD"  
 S28 1-571-167-21 \* TACTIL "FWD"  
 S29 1-554-039-41 \* PUSH "F FWD"  
 S30 1-571-167-41 \* TACTIL "F FWD"  
 S31 1-571-169-21 \* TACTIL "STOP"  
 S32 1-516-994-00 \* LEVER SLIDE "PB/EE"

S23 1-552-539-00 \* KEY BOARD "PLAYER"  
 S24 1-552-539-00 \* KEY BOARD "RECORDER"  
 S25 1-552-539-00 \* KEY BOARD "ENTRY"  
 S26 1-552-539-00 \* KEY BOARD "TRIM(-)"  
 S27 1-552-539-00 \* KEY BOARD "TRIM(+)"

S28 1-516-995-00 \* LEVER SLIDE "DATA"  
 S29 1-552-539-00 \* KEY BOARD "SET"  
 S30 1-552-539-00 \* KEY BOARD "LAP"  
 S31 1-552-539-00 \* KEY BOARD "RESET"

X1 1-567-869-11 \* VIBRATOR, CERAMIC 9.8MHz  
 X2 1-567-192-11 \* OSCILLATOR, CERAMIC 4MHz

Ref No. Parts No. SF Description

## KY-144 BOARD

This board includes the DP-62 board.

A-6717-491-A o HOUNZEE CIRCUIT BOARD, KY-144

BT1 1-528-229-11 o BATTERY, LITHIUM (CR-2450)

C2 1-162-210-31 \* CERAMIC 30FF 5Z 50V  
 C3 1-162-210-31 \* CERAMIC 30FF 5Z 50V  
 C8 1-125-443-11 \* DOUBLE LAYERS 0.047F 5.5V  
 C9 1-124-245-00 \* ELECT 4.7 20K 16V  
 C10 1-161-379-00 \* CERAMIC 0.01 30K 16V

C12 1-162-210-31 \* CERAMIC 30FF 5Z 50V  
 C13 1-162-210-31 \* CERAMIC 30FF 5Z 50V  
 C17 1-124-245-00 \* ELECT 4.7 20K 16V  
 C101 1-131-346-00 \* TANTALUM 0.68 10X 35V  
 C102 1-131-346-00 \* TANTALUM 0.68 10X 35V

C103 1-131-346-00 \* TANTALUM 0.68 10X 35V  
 C104 1-131-346-00 \* TANTALUM 0.68 10X 35V  
 C105 1-131-346-00 \* TANTALUM 0.68 10X 35V  
 C106 1-131-346-00 \* TANTALUM 0.68 10X 35V  
 C107 1-131-346-00 \* TANTALUM 0.68 10X 35V

C108 1-131-346-00 \* TANTALUM 0.68 10X 35V  
 C109 1-131-346-00 \* TANTALUM 0.68 10X 35V

CM1 1-506-696-11 o HEADER 10P  
 CM3 1-557-237-11 o WIRE, FLAT TYPE 23P  
 (KY-101 to DP-62)

D1 8-719-911-19 \* 18S119  
 D2 8-719-911-19 \* 18S119  
 D3 8-719-911-19 \* 18S119  
 D4 8-719-911-19 \* 18S119  
 D5 8-719-911-19 \* 18S119

D6 8-719-911-19 \* 18S119  
 D7 8-719-911-19 \* 18S119  
 D8 8-719-911-19 \* 18S119  
 D9 8-719-911-19 \* 18S119  
 D10 8-719-911-19 \* 18S119

D11 8-719-911-19 \* 18S119  
 D12 8-719-911-19 \* 18S119  
 D13 8-719-911-19 \* 18S119  
 D14 8-719-911-19 \* 18S119  
 D15 8-719-911-19 \* 18S119

D16 8-719-911-19 \* 18S119  
 D17 8-719-911-19 \* 18S119  
 D18 8-719-911-19 \* 18S119  
 D19 8-719-911-19 \* 18S119  
 D20 8-719-911-19 \* 18S119

Parts that are not listed in the "reference number order list"  
 are shown in the "General Purpose Electrical Parts List"

Ref No. Parts No. SP Description

D21	8-719-911-19	■	18S119
D22	8-719-911-19	■	18S119
D23	8-719-911-19	■	18S119
D24	8-719-911-19	■	18S119
D25	8-719-911-19	■	18S119
D26	8-719-911-19	■	18S119
D27	8-719-911-19	■	18S119
D28	8-719-911-19	■	18S119
D29	8-719-939-39	■	GL-5HD5
D30	8-719-939-39	■	GL-5HD5
D31	8-719-939-39	■	GL-5HD5
D32	8-719-939-39	■	GL-5HD5
D33	8-719-939-39	■	GL-5HD5
D34	8-719-939-39	■	GL-5HD5
D35	8-719-939-39	■	GL-5HD5
D36	8-719-939-39	■	GL-5HD5
D37	8-719-939-39	■	GL-5HD5
D38	8-719-939-39	■	GL-5HD5
D39	8-719-800-86	■	TLG255
D40	8-719-800-86	■	TLG255
D41	8-719-939-39	■	GL-5HD5
D42	8-719-939-39	■	GL-5HD5
D43	8-719-939-39	■	GL-5HD5
D44	8-719-939-39	■	GL-5HD5
D45	8-719-911-19	■	18S119
D46	8-719-911-19	■	18S119
D48	8-719-200-02	■	10E-2
D49	8-719-911-19	■	18S119
D50	8-719-200-02	■	10E-2
D51	8-719-911-19	■	18S119
D52	8-719-911-19	■	18S119
D53	8-719-802-11	■	TLG154
D54	8-719-911-19	■	18S119
D55	8-719-911-19	■	18S119
D201	8-719-942-19	■	LB-402YK
D202	8-719-942-19	■	LB-402YK
D203	8-719-942-19	■	LB-402YK
D204	8-719-942-19	■	LB-402YK
IC1	8-759-605-23	■	M50747H-601SP(MITSUBISHI)
IC2	8-759-645-16	■	M54516P(MITSUBISHI)
IC3	8-759-645-16	■	M54516P(MITSUBISHI)
IC4	8-759-645-16	■	M54516P(MITSUBISHI)
IC5	8-759-600-68	■	M54522P(MITSUBISHI)
IC6	8-759-171-05	■	UPC7805H(NEC)
IC7	8-759-937-29	■	M508201H-539H(FUJITSU)
IC101	8-759-600-61	■	M54529AF(MITSUBISHI)
IC102	8-759-600-61	■	M54529AF(MITSUBISHI)
Q1	8-729-900-67	■	DTAI24XS
Q2	8-729-900-67	■	DTAI24XS
Q3	8-729-900-67	■	DTAI24XS
Q4	8-729-900-67	■	DTAI24XS
Q5	8-729-275-42	■	28C2754-Y

Ref No. Parts No. SP Description

Q6	8-729-275-42	■	28C2754-Y
Q8	8-729-117-54	■	25A1175
Q9	8-729-117-54	■	25A1175
Q10	8-729-117-54	■	25A1175
Q11	8-729-117-54	■	25A1175
Q12	8-729-117-54	■	25A1175
Q13	8-729-117-54	■	25A1175
Q14	8-729-117-54	■	25A1175
Q15	8-729-900-89	■	DTG144ES
Q101	8-729-117-54	■	25A1175
Q102	8-729-117-54	■	25A1175
Q103	8-729-117-54	■	25A1175
Q104	8-729-117-54	■	25A1175
Q105	8-729-117-54	■	25A1175
Q106	8-729-117-54	■	25A1175
Q107	8-729-117-54	■	25A1175
Q108	8-729-117-54	■	25A1175
Q109	8-729-117-54	■	25A1175
S1	1-552-539-00	■	KEY BOARD "OUT"
S2	1-552-539-00	■	KEY BOARD "IN"
S3	1-552-539-00	■	KEY BOARD "REVIEW"
S4	1-552-539-00	■	KEY BOARD "AUTO EDIT"
S5	1-552-539-00	■	KEY BOARD "PREVIEW"
S6	1-552-539-00	■	KEY BOARD "ASSEMBLE"
S7	1-552-539-00	■	KEY BOARD "VIDEO"
S8	1-552-539-00	■	KEY BOARD "AU CH-1"
S9	1-552-539-00	■	KEY BOARD "AU CH-2"
S10	1-571-167-11	■	TACTIL "STANBY"
S11	1-571-167-11	■	TACTIL "PREROLL"
S12	1-571-168-21	■	TACTIL "REC"
S13	1-571-167-11	■	TACTIL "EDIT"
S14	1-552-539-00	■	KEY BOARD "SEARCH"
S15	1-571-169-11	■	TACTIL "EJECT"
S16	1-571-167-31	■	TACTIL "REW"
S17	1-571-167-21	■	TACTIL "PLAY"
S18	1-571-167-41	■	TACTIL "F FWD"
S19	1-571-169-21	■	TACTIL "STOP"
S20	1-516-961-00	■	LEVER SLIDE "PB/EE"
S23	1-552-539-00	■	KEY BOARD "PLAYER"
S24	1-552-539-00	■	KEY BOARD "RECORDER"
S25	1-552-539-00	■	KEY BOARD "ENTRY"
S26	1-552-539-00	■	KEY BOARD "TRIM(-)"
S27	1-552-539-00	■	KEY BOARD "TRIM(+)"
S28	1-516-995-00	■	LEVER SLIDE "DATA"
S29	1-552-539-00	■	KEY BOARD "SET"
S201	1-552-539-00	■	KEY BOARD "LAP"
S202	1-552-539-00	■	KEY BOARD "RESET"
X1	1-567-869-11	■	VIBRATOR, CERAMIC 9.83MHz
X2	1-567-192-11	■	OSCILLATOR, CERAMIC 4MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

LE-53 BOARD

1-622-720-11 o PRINTED CIRCUIT BOARD, LE-53

D1 8-719-930-20 o HLMP-1302

LE-54 BOARD

1-622-717-11 o PRINTED CIRCUIT BOARD, LE-54

D1 8-719-930-20 o HLMP-1302

LM-13 BOARD

1-618-600-11 o PRINTED CIRCUIT BOARD, LM-13

C1 1-130-471-00 s PE TEREPHTHALATE 0.001

C2 1-130-471-00 s PE TEREPHTHALATE 0.001

LP-41 BOARD

1-623-101-11 o PRINTED CIRCUIT BOARD, LP-41

D1 8-719-800-89 s TLY255

D2 8-719-800-89 s TLY255

D3 8-719-800-89 s TLY255

R1 1-247-706-11 s CARBON 330 5X 1/4W

R2 1-247-706-11 s CARBON 330 5X 1/4W

R3 1-247-706-11 s CARBON 330 5X 1/4W

MB-127 BOARD

This board includes the MB-139 board.

A-6729-502-A o MOUNTED CIRCUIT BOARD, MB-127

CN101 1-563-336-21 o HOUSING, (DIP) 64P

CN102 1-563-336-21 o HOUSING, (DIP) 64P

CN103 1-563-336-21 o HOUSING, (DIP) 64P

CN104 1-563-336-21 o HOUSING, (DIP) 64P

CN105 1-563-336-21 o HOUSING, (DIP) 64P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
CN106	1-563-336-21	o	HOUSING, (DIP) 64P
CN107	1-563-336-21	o	HOUSING, (DIP) 64P
CN108	1-563-336-21	o	HOUSING, (DIP) 64P
CN109	1-563-336-21	o	HOUSING, (DIP) 64P
CN110	1-566-313-11	o	PIN, 7P
	1-562-883-11	o	HOUSING, 7P
CN111	1-564-607-11	o	PIN, 6P
	1-562-287-11	o	HOUSING, 6P
CN220	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN221	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN222	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN223	1-506-821-11	o	BOARD IN CONNECTOR, 12P
CN224	1-506-821-11	o	BOARD IN CONNECTOR, 12P
CN225	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN226	1-506-814-11	o	BOARD IN CONNECTOR, 5P
CN227	1-563-994-11	o	SOCKET, (PCB-PCB) 20P
CN228	1-563-994-11	o	SOCKET, (PCB-PCB) 20P
CN231	1-563-994-11	o	SOCKET, (PCB-PCB) 20P
CN232	1-563-994-11	o	SOCKET, (PCB-PCB) 20P
CN233	1-563-994-11	o	SOCKET, (PCB-PCB) 20P

**MB-139 BOARD**

All of the component parts on the MB-139 board are supplied together when you order MB-127 board.

1-622-714-11 o PRINTED CIRCUIT BOARD, MB-139

CN230	1-563-336-21	o	HOUSING, (DIP) 64P
CN241	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN242	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN243	1-566-508-11	o	PLUG, (PCB-PCB) 20P

Ref No. Parts No. SP Description

**MD-45 BOARD**

A-6711-829-A o MOUNTED CIRCUIT BOARD, MD-45

C5	1-161-494-00	o	CERAMIC 0.022 30X 25V
C7	1-161-494-00	o	CERAMIC 0.022 30X 25V
C8	1-124-245-00	o	ELECT 4.7 20X 25V
C12	1-161-494-00	o	CERAMIC 0.022 30X 25V
C20	1-161-494-00	o	CERAMIC 0.022 30X 25V
C29	1-161-494-00	o	CERAMIC 0.022 30X 25V
C55	1-161-494-00	o	CERAMIC 0.022 30X 25V
C101	1-161-494-00	o	CERAMIC 0.022 30X 25V
C113	1-124-462-00	o	ELECT 10 20X 16V
C114	1-161-494-00	o	CERAMIC 0.022 30X 25V
C117	1-124-462-00	o	ELECT 10 20X 16V
C120	1-161-494-00	o	CERAMIC 0.022 30X 25V
C121	1-131-356-00	o	TANTALUM 3.3 10X 25V
C123	1-131-374-00	o	TANTALUM 33 10X 10V
C125	1-161-494-00	o	CERAMIC 0.022 30X 25V
C129	1-124-462-00	o	ELECT 10 20X 10V
C130	1-124-462-00	o	ELECT 10 20X 10V
C131	1-124-462-00	o	ELECT 10 20X 10V
C201	1-109-687-00	o	WGA 390PF 1% 500V
C205	1-124-462-00	o	ELECT 10 20X 10V
C206	1-124-462-00	o	ELECT 10 20X 10V
C207	1-161-494-00	o	CERAMIC 0.022 30X 25V
C210	1-161-494-00	o	CERAMIC 0.022 30X 25V
C214	1-161-494-00	o	CERAMIC 0.022 30X 25V
C216	1-161-494-00	o	CERAMIC 0.022 30X 25V
C219	1-161-494-00	o	CERAMIC 0.022 30X 25V
C221	1-161-494-00	o	CERAMIC 0.022 30X 25V
C222	1-161-379-00	o	CERAMIC 6.01 30X 16V
C224	1-161-379-00	o	CERAMIC 6.01 30X 16V
C225	1-161-375-00	o	CERAMIC 0.0022 30X 16V
C226	1-161-494-00	o	CERAMIC 0.022 30X 25V
C227	1-161-494-00	o	CERAMIC 0.022 30X 25V
C228	1-161-379-00	o	CERAMIC 6.01 30X 16V
C229	1-161-379-00	o	CERAMIC 6.01 30X 16V
C230	1-161-494-00	o	CERAMIC 0.022 30X 25V
C231	1-161-379-00	o	CERAMIC 6.01 30X 16V
C302	1-124-245-00	o	ELECT 4.7 20X 25V
C303	1-161-013-00	o	CERAMIC 0.01 10X 25V
C305	1-161-494-00	o	CERAMIC 0.022 30X 25V
C306	1-161-494-00	o	CERAMIC 0.022 30X 25V
C307	1-161-494-00	o	CERAMIC 0.022 30X 25V
C309	1-161-494-00	o	CERAMIC 0.022 30X 25V
C502	1-161-494-00	o	CERAMIC 0.022 30X 25V
C503	1-124-499-11	o	ELECT 1 20X 25V
C504	1-124-462-00	o	ELECT 10 20X 10V
C508	1-124-462-00	o	ELECT 10 20X 10V
C509	1-124-462-00	o	ELECT 10 20X 10V
C513	1-162-728-11	o	CERAMIC 560PF 1% 50V
C514	1-124-638-11	o	ELECT 22 20X 10V
C522	1-161-494-00	o	CERAMIC 0.022 30X 25V
C523	1-124-462-00	o	ELECT 10 20X 16V
C527	1-124-462-00	o	ELECT 10 20X 10V
C528	1-131-344-00	o	TANTALUM 0.33 10X 35V
C532	1-131-351-00	o	TANTALUM 4.7 10X 25V
C535	1-161-494-00	o	CERAMIC 0.022 30X 25V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".



Ref No. Parts No. SP Description

C540 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C543 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C545 1-161-379-00 a CERAMIC 0.01 30X 16V  
 C546 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C548 1-124-638-11 a ELECT 22 20X 10V

C551 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C553 1-101-886-00 a CERAMIC 0.22F 5X 50V  
 C555 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C557 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C559 1-161-494-00 a CERAMIC 0.022 30X 25V

C561 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C564 1-131-355-00 a TANTALUM 2.2 10X 25V  
 C565 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C567 1-131-349-00 a TANTALUM 2.2 10X 35V  
 C570 1-162-722-11 a CERAMIC 330PF 1X 50V

C571 1-162-724-11 a CERAMIC 390PF 1X 50V  
 C572 1-124-462-00 a ELECT 10 20X 10V  
 C573 1-161-379-00 a CERAMIC 0.01 30X 16V  
 C574 1-161-379-00 a CERAMIC 0.01 30X 16V  
 C575 1-161-494-00 a CERAMIC 0.022 30X 25V

C578 1-161-379-00 a CERAMIC 0.01 30X 16V  
 C581 1-131-343-00 a TANTALUM 0.47 10X 35V  
 C582 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C581 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C803 1-124-459-11 a ELECT 1 20X 50V

C804 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C805 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C806 1-161-379-00 a CERAMIC 0.01 30X 16V  
 C808 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C814 1-124-459-11 a ELECT 1 20X 50V

C902 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C903 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C904 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C905 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C906 1-161-494-00 a CERAMIC 0.022 30X 25V

C907 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C909 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C910 1-161-494-00 a CERAMIC 0.022 30X 25V  
 C911 1-161-494-00 a CERAMIC 0.022 30X 25V

CN601 1-564-003-00 o PIN, 4P  
 CN602 1-564-009-00 o PIN, 10P  
 CN603 1-564-003-00 o PIN, 4P  
 CN604 1-564-002-00 o PIN, 3P  
 CN605 1-564-004-00 o PIN, 5P

CN606 1-564-007-00 o PIN, 8P  
 CN607 1-564-005-00 o PIN, 6P  
 CN608 1-564-004-00 o PIN, 5P  
 CN610 1-564-002-00 o PIN, 3P  
 CN611 1-564-003-00 o PIN, 4P  
 CN612 1-564-002-00 o PIN, 3P

Ref No. Parts No. SP Description

D1 8-719-911-19 a 1S5119  
 D101 8-719-911-19 a 1S5119  
 D103 8-719-911-19 a 1S5119  
 D104 8-719-911-19 a 1S5119  
 D105 8-719-911-19 a 1S5119

D106 8-719-911-19 a 1S5119  
 D107 8-719-104-10 a 1S899  
 D108 8-719-104-10 a 1S899  
 D201 8-719-911-19 a 1S5119  
 D301 8-719-911-19 a 1S5119

D501 8-719-911-19 a 1S5119  
 D502 8-719-911-19 a 1S5119  
 D503 8-719-911-19 a 1S5119  
 D505 8-719-915-43 a PC54M  
 D506 8-719-911-19 a 1S5119

D507 8-719-911-19 a 1S5119  
 D508 8-719-911-19 a 1S5119

DL1 1-415-404-11 a 226ns  
 DL2 1-415-404-11 a 226ns  
 DL101 1-415-403-21 a 1000ns  
 DL501 1-415-402-11 a 300ns

FL1 1-235-475-11 a LOW PASS  
 FL2 1-235-476-21 a BAND PASS  
 FL201 1-235-477-11 a HIGH PASS  
 FL202 1-235-009-21 a HIGH PASS (HPD-PD)  
 FL501 1-235-471-11 a LOW PASS  
 FL502 1-231-377-21 a BAND PASS

1511C1 8-759-240-53 a TC4053BP (TOSHIBA)  
 1611C1 8-759-940-53 a MC14053BPC (MOTOROLA)  
 IC2 8-749-938-90 a BX389 (SONY)  
 IC3 8-752-201-30 CE22013 (SONY)  
 IC4 8-752-030-30 CX102DP (SONY)  
 IC5 8-749-938-90 a BX389 (SONY)  
 IC6 8-749-938-90 a BX389 (SONY)  
 IC7 8-749-938-90 a BX389 (SONY)  
 IC8 8-759-981-91 a RC4558D (RATHEON)  
 IC9 8-759-981-91 a RC4558D (RATHEON)

IC101 8-752-006-00 a CX20060 (SONY)  
 IC102 8-751-310-00 a CX-131A (SONY)  
 IC103 8-759-206-29 a TA7040AP-S09T (TOSHIBA)  
 IC201 8-741-125-70 a BX1257 (SONY)  
 IC202 8-752-006-00 a CX20060 (SONY)

IC301 8-741-124-60 a BX1246 (SONY)  
 IC501 8-752-006-00 a CX20060 (SONY)  
 IC502 8-741-124-70 a BX1247 (SONY)  
 IC503 8-759-903-59 a CX-859 (SONY)  
 IC504 8-751-880-00 a CX-188 (SONY)

IC801 8-741-126-20 a BX1262 (SONY)  
 IC802 8-752-006-00 a CX20060 (SONY)  
 IC803 8-759-145-58 a UPC4558C (NEC)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

L1 1-410-482-31 # MICRO 100  
 L2 1-410-482-31 # MICRO 100  
 L5 1-410-482-31 # MICRO 100  
 L11 1-410-482-31 # MICRO 100  
 L12 1-410-482-31 # MICRO 100

L13 1-410-466-41 # MICRO 4.7  
 L14 1-410-482-31 # MICRO 100  
 L101 1-410-482-31 # MICRO 100  
 L102 1-410-482-31 # MICRO 100  
 L103 1-410-482-31 # MICRO 100

L105 1-410-482-31 # MICRO 100  
 L108 1-410-087-31 # MICRO 100MMH  
 L202 1-410-482-31 # MICRO 100  
 L203 1-410-482-31 # MICRO 100  
 L204 1-410-482-31 # MICRO 100

L206 1-410-471-11 # MICRO 12  
 L208 1-410-482-31 # MICRO 100  
 L301 1-410-482-31 # MICRO 100  
 L302 1-410-482-31 # MICRO 100  
 L501 1-410-482-31 # MICRO 100

L502 1-410-119-11 # MICRO 100MMH  
 L503 1-410-482-31 # MICRO 100  
 L505 1-410-482-31 # MICRO 100  
 L506 1-410-482-31 # MICRO 100  
 L507 1-410-478-11 # MICRO 47

L508 1-410-482-31 # MICRO 100  
 L509 1-410-482-31 # MICRO 100  
 L510 1-410-476-11 # MICRO 33  
 L511 1-410-482-31 # MICRO 100  
 L512 1-410-090-41 # MICRO 100MMH

L513 1-410-489-11 # MICRO 390  
 L514 1-410-482-31 # MICRO 100  
 L515 1-410-482-31 # MICRO 100  
 L517 1-410-477-21 # MICRO 39  
 L801 1-410-482-31 # MICRO 100  
 L804 1-410-482-31 # MICRO 100

LW701 1-407-563-00 # VARIABLE 1  
 LW801 1-407-572-00 # VARIABLE 33

Q1 8-729-603-50 # 28C403SP  
 Q2 8-729-105-72 # 28K523-L1  
 Q4 8-729-603-50 # 28C403SP  
 Q5 8-729-275-42 # 28C2754-Y  
 Q6 8-729-275-42 # 28C2754-Y

Q7 8-729-603-50 # 28C403SP  
 Q8 8-729-603-50 # 28C403SP  
 Q9 8-729-603-50 # 28C403SP  
 Q10 8-729-603-50 # 28C403SP  
 Q11 8-729-603-50 # 28C403SP

Q12 8-729-603-50 # 28C403SP  
 Q13 8-729-603-50 # 28C403SP  
 Q14 8-729-110-52 # 28A1005-L  
 Q15 8-729-110-52 # 28A1005-L  
 Q16 8-729-190-12 # 28C2901-K

Ref No. Parts No. SP Description

Q17 8-729-190-12 # 28C2901-K  
 Q18 8-729-110-52 # 28A1005-L  
 Q19 8-729-190-12 # 28C2901-K  
 Q20 8-729-190-12 # 28C2901-K  
 Q21 8-729-110-52 # 28A1005-L

Q22 8-729-110-52 # 28A1005-L  
 Q23 8-729-190-12 # 28C2901-K  
 Q24 8-729-611-53 # 28A1115-F  
 Q25 8-729-603-50 # 28C403SP  
 Q27 8-729-603-50 # 28C403SP

Q101 8-729-603-50 # 28C403SP  
 Q102 8-729-603-50 # 28C403SP  
 Q103 8-729-601-50 # 28C403SP  
 Q104 8-729-603-50 # 28C403SP  
 Q105 8-729-603-50 # 28C403SP

Q106 8-729-603-50 # 28C403SP  
 Q201 8-729-603-50 # 28C403SP  
 Q202 8-729-603-50 # 28C403SP  
 Q203 8-729-600-60 # 28A1115P  
 Q204 8-729-600-60 # 28A1115P

Q205 8-729-603-50 # 28C403SP  
 Q206 8-729-603-50 # 28C403SP  
 Q207 8-729-900-36 # DTC1248S  
 Q208 8-729-900-36 # DTC1248S  
 Q209 8-729-603-50 # 28C403SP

Q210 8-729-900-36 # DTC1248S  
 Q211 8-729-603-50 # 28C403SP  
 Q301 8-729-113-32 # 28B733  
 Q302 8-729-900-36 # DTC1248S  
 Q303 8-729-611-53 # 28A1115-F

Q305 8-729-603-50 # 28C403SP  
 Q501 8-729-603-50 # 28C403SP  
 Q502 8-729-603-50 # 28C403SP  
 Q503 8-729-603-50 # 28C403SP  
 Q504 8-729-603-50 # 28C403SP

Q505 8-729-611-53 # 28A1115-F  
 Q506 8-729-603-50 # 28C403SP  
 Q507 8-729-603-50 # 28C403SP  
 Q508 8-729-603-50 # 28C403SP  
 Q509 8-729-901-41 # 28C1740S-R

1) Q509 8-729-603-50 # 28C403SP  
 2) Q509 8-729-603-50 # 28C403SP

Q510 8-729-611-53 # 28A1115-F  
 Q511 8-729-901-41 # 28C1740S-R  
 Q512 8-729-603-50 # 28C403SP  
 Q513 8-729-603-50 # 28C403SP  
 Q801 8-729-603-50 # 28C403SP  
 Q802 8-729-901-41 # 28C1740S-R

R205 1-247-895-00 # CARBON 470K 5% 1/4W  
 R207 1-247-849-00 # CARBON 5.6K 5% 1/4W  
 R209 1-247-895-00 # CARBON 470K 5% 1/4W  
 R210 1-247-895-00 # CARBON 470K 5% 1/4W  
 R212 1-247-849-00 # CARBON 5.6K 5% 1/4W

R242 1-247-891-00 # CARBON 330K 5% 1/4W  
 R538 1-247-887-00 # CARBON 220K 5% 1/4W  
 R566 1-247-849-00 # CARBON 5.6K 5% 1/4W  
 R569 1-247-849-00 # CARBON 5.6K 5% 1/4W  
 R575 1-247-849-00 # CARBON 5.6K 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV1	1-228-994-00	VAR, CARBON 10k
RV2	1-228-991-00	VAR, CARBON 2.2k
RV3	1-228-990-00	VAR, CARBON 1k
RV4	1-228-989-00	VAR, CARBON 470
RV5	1-228-988-00	VAR, CARBON 470
19)RV6	1-228-989-00	VAR, CARBON 470
20)RV6	1-228-990-00	VAR, CARBON 1k
RV7	1-228-988-00	VAR, CARBON 470
RV8	1-228-993-00	VAR, CARBON 22k
RV9	1-228-996-00	VAR, CARBON 220k
RV101	1-228-991-00	VAR, CARBON 2.2k
RV201	1-228-990-00	VAR, CARBON 1k
RV202	1-228-993-00	VAR, CARBON 4.7k
RV203	1-228-993-00	VAR, CARBON 4.7k
RV204	1-228-989-00	VAR, CARBON 470
RV205	1-228-990-00	VAR, CARBON 1k
RV206	1-228-990-00	VAR, CARBON 1k
RV207	1-228-999-00	VAR, CARBON 470k
RV208	1-228-996-00	VAR, CARBON 47k
RV209	1-228-990-00	VAR, CARBON 1k
RV301	1-228-993-00	VAR, CARBON 22k
RV302	1-228-991-00	VAR, CARBON 2.2k
RV501	1-228-993-00	VAR, CARBON 4.7k
RV502	1-228-993-00	VAR, CARBON 4.7k
RV503	1-228-990-00	VAR, CARBON 1k
RV504	1-228-993-00	VAR, CARBON 4.7k
RV505	1-228-993-00	VAR, CARBON 4.7k
RV801	1-228-996-00	VAR, CARBON 47k
RV802	1-228-990-00	VAR, CARBON 1k
RV803	1-228-999-00	VAR, CARBON 470k
S1	1-570-857-11	SLIDE
T501	1-425-880-21	TRANSFORMER, BURST AMP
TR201	1-800-200-00	THERMISTOR 5-3K
X501	1-527-231-00	OSC, CRYSTAL 4.433618MHz

Ref No. Parts No. SP Description

MT-28 BOARD

1-622-729-11 o PRINTED CIRCUIT BOARD, MT-28

CW335 1-560-035-00 o PIN, BOARD TO BOARD 5F (MT-28 to VR-48)

CW336 1-560-035-00 o PIN, BOARD TO BOARD 5F (MT-28 to VR-48)

D1 8-719-800-89 o TLY255

D2 8-719-800-86 o TLY255

D3 8-719-800-89 o TLY255

D4 8-719-800-89 o TLY255

D5 8-719-800-89 o TLY255

D6 8-719-800-89 o TLY255

R1 1-247-706-11 o CARBON 330 5% 1/4W

R1 1-247-706-11 o CARBON 330 5% 1/4W

R1 1-247-706-11 o CARBON 330 5% 1/4W

PD-37 BOARD

A-6717-458-A o MOUNTED CIRCUIT BOARD, PD-37

C2 1-161-379-00 o CERAMIC 0.01 30X 16V

C3 1-161-379-00 o CERAMIC 0.01 30X 16V

C4 1-124-259-00 o ELECT 4.7 20T 50V

C5 1-124-259-00 o ELECT 4.7 20T 50V

C6 1-124-259-00 o ELECT 4.7 20T 50V

D1 8-719-200-02 o 10E-2

D2 8-719-911-19 o 18S119

D3 8-719-911-19 o 18S119

D4 8-719-200-02 o 10E-2

D5 8-719-200-02 o 10E-2

D6 8-719-200-02 o 10E-2

D7 8-719-200-02 o 10E-2

D8 8-719-200-02 o 10E-2

D9 8-719-200-02 o 10E-2

D10 8-719-200-02 o 10E-2

D11 8-719-200-02 o 10E-2

D12 8-719-200-02 o 10E-2

D13 8-719-200-02 o 10E-2

D14 8-719-200-02 o 10E-2

IC1 8-759-600-24 o M54543L(MITSUBISHI)

A-PS1 1-532-686-00 o LINK, IC

PS2 1-532-685-00 o LINK, IC

PS3 1-532-685-00 o LINK, IC

PS4 1-532-685-00 o LINK, IC

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q1 8-729-811-11 # 2SD1111  
Q2 8-729-178-55 # 2SC2785-E  
Q3 8-729-178-55 # 2SC2785-E  
Q4 8-729-199-82 # 2SD998  
Q5 8-729-811-11 # 2SD1111  
Q6 8-729-178-55 # 2SC2785-E  
Q7 8-729-889-40 # 2SD894  
Q8 8-729-811-11 # 2SD1111  
Q9 8-729-178-55 # 2SC2785-E  
Q10 8-729-889-40 # 2SD894

PH-5(A) BOARD

1-603-737-00 o PRINTED CIRCUIT BOARD, PH-5(A)

D1 8-719-951-04 # BR5104S

PH-5(B) BOARD

1-603-737-00 o PRINTED CIRCUIT BOARD, PH-5(B)

Q1 8-729-810-21 # SPS102-A

PH-5(C) BOARD

1-603-737-00 o PRINTED CIRCUIT BOARD, PH-5(C)

D1 8-719-951-04 # BR5104S

PTC-26 BOARD

1-622-721-11 o PRINTED CIRCUIT BOARD, PTC-26

Q1 8-729-810-22 # SPS102-A

PTC-28 BOARD

1-622-722-11 o PRINTED CIRCUIT BOARD, PTC-28

1-806-232-11 # ME-1102/S.N

Ref No. Parts No. SP Description

PTC-29 BOARD

1-622-718-11 o PRINTED CIRCUIT BOARD, PTC-29

1-806-232-21 # DETECTOR ME-1102/S.N

PTC-30 BOARD

1-622-260-11 o PRINTED CIRCUIT BOARD, PTC-30

IC1 8-719-939-50 # GP1L52(SHARP)  
IC2 8-719-939-50 # GP1L52(SHARP)  
IC3 8-719-939-50 # GP1L52(SHARP)

PTC-32 BOARD

1-622-638-11 o PRINTED CIRCUIT BOARD, PTC-32

C1 1-124-234-00 # ELECT 22 20% 10V

IC1 8-719-939-50 # GP1L52(SHARP)  
IC2 8-719-939-50 # GP1L52(SHARP)  
IC3 8-719-940-86 # GP1L53(SHARP)  
IC4 8-719-939-50 # GP1L52(SHARP)  
IC5 8-759-133-90 # UPC339C(NEC)

PTC-33 BOARD

1-622-258-11 o PRINTED CIRCUIT BOARD, PTC-33

IC1 8-719-940-86 # GP1L53(SHARP)  
IC2 8-719-940-86 # GP1L53(SHARP)

PTC-34 BOARD

1-622-259-11 o PRINTED CIRCUIT BOARD, PTC-34

IC1 8-719-940-86 # GP1L53(SHARP)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SF Description

RP-30A BOARD

A-6711-828-A o MOUNTED CIRCUIT BOARD, RP-30A

C2 1-124-236-00 s ELECT 47 20X 16V  
C9 1-124-236-00 s ELECT 47 20X 16V  
C11 1-124-120-11 s ELECT 220 20X 16V  
C14 1-124-255-00 s ELECT 1 20X 50V  
C17 1-124-120-11 s ELECT 220 20X 16V

C20 1-124-255-00 s ELECT 1 20X 50V  
C21 1-162-294-31 s CERAMIC 0.001 10X 50V  
C22 1-162-294-31 s CERAMIC 0.001 10X 50V  
C102 1-124-236-00 s ELECT 47 20X 16V  
C106 1-162-720-11 s CERAMIC 270PF 1X 50V

C108 1-124-236-00 s ELECT 47 20X 16V  
C111 1-162-720-11 s CERAMIC 270PF 1X 50V

D1 8-719-911-19 s ISS119  
D2 8-719-911-19 s ISS119  
D3 8-719-100-13 s RD2.7R-R2  
D4 8-719-911-19 s ISS119  
D101 8-719-911-19 s ISS119

D102 8-719-911-19 s ISS119  
D103 8-719-911-19 s ISS119  
D104 8-719-911-19 s ISS119  
D105 8-719-911-19 s ISS119  
D106 8-719-911-19 s ISS119

D107 8-719-911-19 s ISS119  
D108 8-719-911-19 s ISS119

IC1 8-743-731-00 s BX373A(SONY)  
IC2 8-729-677-14 s 25C2771(MITSUBISHI)  
IC3 8-741-126-50 s BX1265(SONY)  
IC4 8-759-240-09 s TC4009UBP(MOTOROLA)  
IC5 8-729-677-14 s 25C2771(MITSUBISHI)  
IC6 8-741-126-50 s BX1265(SONY)

L1 1-410-482-31 s MICRO 100  
L2 1-408-426-00 s MICRO 270  
L3 1-410-482-31 s MICRO 100  
L4 1-410-482-31 s MICRO 100  
L101 1-410-482-31 s MICRO 100

Q1 8-729-201-05 s 25C2878-B  
Q2 8-729-201-05 s 25C2878-B  
Q3 8-729-603-50 s 25C4035P  
Q4 8-729-603-50 s 25C4035P  
Q5 8-729-603-50 s 25C4035P

Q6 8-729-603-50 s 25C4035P  
Q101 8-729-603-50 s 25C4035P  
Q102 8-729-603-50 s 25C4035P  
Q103 8-729-603-50 s 25C4035P  
Q104 8-729-177-32 s 25D773

Ref No. Parts No. SF Description

Q105 8-729-113-34 s 25B733-5  
Q106 8-729-603-50 s 25C4035P  
Q107 8-729-603-50 s 25C4035P  
Q108 8-729-177-32 s 25D773  
Q109 8-729-113-34 s 25B733-5

R1 1-249-404-00 s CARBON 82 5X 1/6W  
R2 1-249-404-00 s CARBON 82 5X 1/6W

RV1 1-228-990-00 s VAR. CARBON 1k  
RV2 1-228-989-00 s VAR. CARBON 470  
RV3 1-228-993-00 s VAR. CARBON 4.7k  
RV4 1-228-991-00 s VAR. CARBON 2.2k  
RV5 1-228-993-00 s VAR. CARBON 4.7k  
RV6 1-228-991-00 s VAR. CARBON 2.2k  
RV101 1-228-990-00 s VAR. CARBON 1k  
RV102 1-228-990-00 s VAR. CARBON 1k

T1 1-426-017-00 s AF  
T2 1-426-172-00 s OUTPUT  
T3 1-426-319-11 s PB RF  
T4 1-426-172-00 s OUTPUT  
T5 1-426-320-11 s PB RF

RM-44 BOARD

3) 1-622-739-11 o PRINTED CIRCUIT BOARD, RM-44  
4) 1-622-739-12 o PRINTED CIRCUIT BOARD, RM-44

C1 1-161-379-00 s CERAMIC 0.01 30X 16V

CN1 1-566-558-11 24P "REMOVE 2"  
CN2 1-563-890-11 s SOCKET, D-SUB CONNECTOR 9P

IC1 8-759-201-34 s TD62503P(TOSHIBA)

RM-45 BOARD

1-622-740-11 o PRINTED CIRCUIT BOARD, RM-45

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

## S/N UP TO 13730 (EX)

Ref No. Parts No. SP Description

## SE-48 BOARD

A-6729-496-A o MOUNTED CIRCUIT BOARD, SE-48

C2 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C3 1-162-207-31 a CERAMIC 22PF 5% 50V  
 C5 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C6 1-162-207-31 a CERAMIC 22PF 5% 50V  
 C8 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C9 1-162-207-31 a CERAMIC 22PF 5% 50V  
 C11 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C12 1-162-207-31 a CERAMIC 22PF 5% 50V  
 C14 1-161-379-00 a CERAMIC 0.01 30% 16V  
 IC1 8-759-132-40 a UPC324C(NEC)  
 23)IC2 8-745-211-00 a IM-211  
 24)IC2 8-745-001-02 a IM-211A-L  
 23)IC3 8-745-211-00 a IM-211  
 24)IC3 8-745-001-02 a IM-211A-L  
 R4 1-247-895-00 a CARBON 470k 5% 1/6W  
 R8 1-247-895-00 a CARBON 470k 5% 1/6W  
 R12 1-247-895-00 a CARBON 470k 5% 1/6W  
 R16 1-247-895-00 a CARBON 470k 5% 1/6W  
 RV1 1-228-993-00 a VAR, CARBON 4.7K  
 RV2 1-228-993-00 a VAR, CARBON 4.7K  
 RV3 1-228-993-00 a VAR, CARBON 4.7K  
 RV4 1-228-993-00 a VAR, CARBON 4.7K

Ref No. Parts No. SP Description

## SV-88A BOARD

A-6715-368-A o MOUNTED CIRCUIT BOARD, SV-88A

C104 1-162-290-31 a CERAMIC 470PF 10% 50V  
 C105 1-123-622-00 a ELECT 22 20% 16V  
 C106 1-123-622-00 a ELECT 22 20% 16V  
 C108 1-123-622-00 a ELECT 22 20% 16V  
 C109 1-124-465-00 a ELECT 0.47 20% 50V  
 C111 1-162-286-31 a CERAMIC 220PF 10% 50V  
 C116 1-162-288-31 a CERAMIC 330PF 10% 50V  
 C117 1-162-286-31 a CERAMIC 220PF 10% 50V  
 C121 1-162-288-31 a CERAMIC 330PF 10% 50V  
 C132 1-162-282-31 a CERAMIC 100PF 10% 50V  
 6) C139 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C140 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C201 1-123-617-00 a ELECT 10 20% 16V  
 C202 1-123-622-00 a ELECT 22 20% 16V  
 C210 1-162-290-31 a CERAMIC 470PF 10% 50V  
 C213 1-162-282-31 a CERAMIC 100PF 10% 50V  
 C215 1-162-290-31 a CERAMIC 470PF 10% 50V  
 C219 1-161-494-00 a CERAMIC 0.022 30% 25V  
 C401 1-123-611-00 a ELECT 1 20% 50V  
 C402 1-123-611-00 a ELECT 1 20% 50V  
 C403 1-123-617-00 a ELECT 10 20% 16V  
 C404 1-123-617-00 a ELECT 10 20% 16V  
 C405 1-161-494-00 a CERAMIC 0.022 30% 25V  
 C406 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C407 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C408 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C409 1-162-294-31 a CERAMIC 0.001 10% 50V  
 C410 1-161-494-00 a CERAMIC 0.022 30% 25V  
 C412 1-123-622-00 a ELECT 22 20% 16V  
 C415 1-123-622-00 a ELECT 22 20% 16V  
 C418 1-123-617-00 a ELECT 10 20% 16V  
 C419 1-123-617-00 a ELECT 10 20% 16V  
 C430 1-161-377-00 a CERAMIC 0.0047 30% 16V  
 C431 1-161-377-00 a CERAMIC 0.0047 30% 16V  
 C432 1-161-377-00 a CERAMIC 0.0047 30% 16V  
 6) C433 1-161-494-00 a CERAMIC 0.022 30% 25V  
 C504 1-123-617-00 a ELECT 10 20% 16V  
 C507 1-123-617-00 a ELECT 10 20% 16V  
 C508 1-130-736-11 a FILM 0.01 1% 100V  
 C510 1-162-282-31 a CERAMIC 100PF 10% 50V  
 C515 1-162-282-31 a CERAMIC 100PF 10% 50V  
 C519 1-123-611-00 a ELECT 1 20% 50V  
 C520 1-123-617-00 a ELECT 10 20% 16V  
 C521 1-162-213-31 a CERAMIC 39PF 5% 50V  
 C523 1-162-290-31 a CERAMIC 470PF 10% 50V  
 C525 1-123-611-00 a ELECT 1 20% 50V  
 C526 1-123-617-00 a ELECT 10 20% 16V  
 C527 1-162-213-31 a CERAMIC 39PF 5% 50V  
 C529 1-162-290-31 a CERAMIC 470PF 10% 50V  
 C531 1-123-611-00 a ELECT 1 20% 50V  
 C532 1-123-617-00 a ELECT 10 20% 16V  
 C533 1-162-213-31 a CERAMIC 39PF 5% 50V  
 C535 1-162-290-31 a CERAMIC 470PF 10% 50V  
 C539 1-123-611-00 a ELECT 1 20% 50V  
 11) C540 1-123-611-00 a ELECT 1 20% 50V  
 12) C540 1-124-438-00 a ELECT 1 20% 50V  
 C541 1-162-282-31 a CERAMIC 100PF 10% 50V  
 1) C543 1-123-617-00 a ELECT 10 20% 16V  
 2) C543 1-131-365-00 a TANTALUM 10 10% 16V  
 1) C544 1-123-617-00 a ELECT 10 20% 16V  
 2) C544 1-131-365-00 a TANTALUM 10 10% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C545 1-130-728-00 \* FILM 0.0022 5Z 50V  
 5) C550 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 6) C551 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C601 1-162-282-31 \* CERAMIC 100PF 10X 50V  
 C602 1-162-282-31 \* CERAMIC 100PF 10X 50V

C603 1-162-282-31 \* CERAMIC 100PF 10X 50V  
 C604 1-162-282-31 \* CERAMIC 100PF 10X 50V  
 C606 1-162-282-31 \* CERAMIC 100PF 10X 50V  
 C608 1-162-282-31 \* CERAMIC 100PF 10X 50V  
 C618 1-124-465-00 \* ELECT 0.47 20X 50V

C621 1-124-465-00 \* ELECT 0.47 20X 50V  
 C622 1-102-106-00 \* CERAMIC 100PF 10X 50V  
 C623 1-102-106-00 \* CERAMIC 100PF 10X 50V  
 C624 1-102-106-00 \* CERAMIC 100PF 10X 50V  
 C701 1-162-290-31 \* MYLAR 470PF 10X 50V

C704 1-162-290-31 \* MYLAR 470PF 10X 50V  
 C709 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C750 1-126-103-11 \* ELECT 470 20X 16V  
 C751 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C752 1-161-494-00 \* CERAMIC 0.022 30X 25V

C753 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C754 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C755 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C756 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C757 1-161-494-00 \* CERAMIC 0.022 30X 25V

C758 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C759 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C760 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C761 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C762 1-161-494-00 \* CERAMIC 0.022 30X 25V

C763 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C764 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C765 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C766 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C767 1-161-494-00 \* CERAMIC 0.022 30X 25V

C801 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C802 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C803 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C804 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C805 1-161-494-00 \* CERAMIC 0.022 30X 25V

C806 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C807 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C808 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C809 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C810 1-161-494-00 \* CERAMIC 0.022 30X 25V

C811 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C812 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C813 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C814 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C815 1-161-494-00 \* CERAMIC 0.022 30X 25V

C816 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C817 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C818 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C819 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C820 1-161-494-00 \* CERAMIC 0.022 30X 25V

C821 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C822 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C823 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C824 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C825 1-161-494-00 \* CERAMIC 0.022 30X 25V

C826 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C827 1-161-494-00 \* CERAMIC 0.022 30X 25V

Ref No. Parts No. SP Description

C828 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C829 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C830 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C831 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C832 1-161-494-00 \* CERAMIC 0.022 30X 25V

C833 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C834 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C835 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C836 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C837 1-161-494-00 \* CERAMIC 0.022 30X 25V

C838 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C839 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C840 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C841 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C901 1-161-494-00 \* CERAMIC 0.022 30X 25V

C902 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C903 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C904 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C905 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C906 1-161-494-00 \* CERAMIC 0.022 30X 25V

C907 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C908 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C909 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C910 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C911 1-161-494-00 \* CERAMIC 0.022 30X 25V

C912 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C950 1-126-103-11 \* ELECT 470 20X 16V  
 C951 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C952 1-161-494-00 \* CERAMIC 0.022 30X 25V  
 C953 1-161-494-00 \* CERAMIC 0.022 30X 25V

CN1 1-506-747-21 \* PIN, DIN (DIP) 64P  
 CN2 1-506-747-21 \* PIN, DIN (DIP) 64P

D101 8-719-911-19 \* 18S119  
 D102 8-719-911-19 \* 18S119  
 D103 8-719-911-19 \* 18S119  
 D104 8-719-911-19 \* 18S119  
 D105 8-719-911-19 \* 18S119

D106 8-719-911-19 \* 18S119  
 D107 8-719-911-19 \* 18S119  
 D108 8-719-911-19 \* 18S119  
 D109 8-719-911-19 \* 18S119  
 D110 8-719-911-19 \* 18S119

D201 8-719-911-19 \* 18S119  
 D202 8-719-911-19 \* 18S119  
 D203 8-719-911-19 \* 18S119  
 D204 8-719-911-19 \* 18S119  
 D205 8-719-911-19 \* 18S119

D206 8-719-911-19 \* 18S119  
 D207 8-719-911-19 \* 18S119  
 D208 8-719-911-19 \* 18S119  
 D209 8-719-911-19 \* 18S119  
 D210 8-719-911-19 \* 18S119

D211 8-719-911-19 \* 18S119  
 D212 8-719-911-19 \* 18S119  
 D213 8-719-911-19 \* 18S119  
 D214 8-719-911-19 \* 18S119  
 D401 8-719-911-19 \* 18S119

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D402 8-719-911-19 ■ 18S119  
 D403 8-719-911-19 ■ 18S119  
 D404 8-719-911-19 ■ 18S119  
 D405 8-719-911-19 ■ 18S119  
 D406 8-719-911-19 ■ 18S119

D407 8-719-911-19 ■ 18S119  
 D408 8-719-911-19 ■ 18S119  
 D409 8-719-911-19 ■ 18S119  
 D410 8-719-911-19 ■ 18S119  
 D411 8-719-911-19 ■ 18S119

D412 8-719-911-19 ■ 18S119  
 D413 8-719-911-19 ■ 18S119  
 D414 8-719-911-19 ■ 18S119  
 D501 8-719-911-19 ■ 18S119  
 D502 8-719-911-19 ■ 18S119

D507 8-719-911-19 ■ 18S119  
 D508 8-719-911-19 ■ 18S119  
 D509 8-719-911-19 ■ 18S119  
 D512 8-719-911-19 ■ 18S119  
 D513 8-719-911-19 ■ 18S119

D514 8-719-911-19 ■ 18S119  
 D515 8-719-911-19 ■ 18S119  
 D516 8-719-911-19 ■ 18S119  
 D517 8-719-911-19 ■ 18S119  
 D518 8-719-911-19 ■ 18S119

D519 8-719-911-19 ■ 18S119  
 D601 8-719-911-19 ■ 18S119  
 D602 8-719-109-99 ■ R07.5E5-B  
 D603 8-719-911-19 ■ 18S119  
 D604 8-719-911-19 ■ 18S119

D701 8-719-911-19 ■ 18S119  
 D702 8-719-911-19 ■ 18S119  
 D703 8-719-109-99 ■ R07.5E5-B  
 D704 8-719-911-19 ■ 18S119  
 D705 8-719-911-19 ■ 18S119  
 D706 8-719-911-19 ■ 18S119

IC101 8-752-006-00 ■ CX20060(SONY)  
 IC102 8-743-915-10 ■ BX-3915A(SONY)  
 13) IC103 8-759-202-74 ■ TC74HC04P(TOSHIBA)  
 14) IC103 8-759-916-14 ■ SN74HC04N(TI)  
 IC104 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC105 8-759-240-53 ■ TC4053BP(TOSHIBA)  
 IC106 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC107 8-759-205-76 ■ TC504013P(TOSHIBA)  
 IC108 8-759-981-64 ■ LM2903B(RAYTHEON)  
 IC109 8-759-140-17 ■ UPD4017RC(TOSHIBA)  
 IC110 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC111 8-759-981-64 ■ LM2903B(RAYTHEON)  
 IC112 8-759-140-17 ■ UPD4017RC(TOSHIBA)  
 IC113 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC114 8-759-241-61 ■ TC40161BP(TOSHIBA)  
 IC115 8-759-240-71 ■ TC4017BP(TOSHIBA)  
 IC116 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 13) IC117 8-759-202-14 ■ TC74HC08P(TOSHIBA)  
 14) IC117 8-759-902-70 ■ LC74HC08(SANYO)  
 IC118 8-759-205-76 ■ TC504013P(TOSHIBA)

IC119 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC120 8-759-938-68 ■ CXD1095Q(SONY)  
 IC122 8-759-240-15 ■ TC4015BP(TOSHIBA)  
 IC123 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC125 8-759-345-38 ■ HD14538RP(TOSHIBA)

Ref No. Parts No. SP Description

IC201 8-759-240-53 ■ TC4053BP(TOSHIBA)  
 IC202 8-743-914-00 ■ BX-3914(SONY)  
 IC203 8-759-981-90 ■ RC4558B-5(RAYTHEON)  
 13) IC204 8-759-202-17 ■ TC74HC14P(TOSHIBA)  
 14) IC204 8-759-916-20 ■ SN74HC14N(TI)

IC205 8-759-240-53 ■ TC4053BP(TOSHIBA)  
 IC206 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC207 8-759-240-01 ■ TC4001BP(TOSHIBA)  
 IC208 8-759-240-23 ■ TC4023BP(TOSHIBA)  
 IC209 8-759-240-53 ■ TC4053BP(TOSHIBA)

13) IC210 8-759-202-74 ■ TC74HC04P(TOSHIBA)  
 14) IC210 8-759-916-14 ■ SN74HC04N(TI)  
 IC211 8-759-245-10 ■ TC4510BP(TOSHIBA)  
 IC212 8-759-240-01 ■ TC4001BP(TOSHIBA)  
 IC213 8-759-240-82 ■ TC4082BP(TOSHIBA)

IC214 8-759-245-10 ■ TC4510BP(TOSHIBA)  
 IC215 8-759-240-82 ■ TC4082BP(TOSHIBA)  
 IC216 8-759-938-68 ■ CXD1095Q(SONY)  
 14) IC217 8-759-902-70 ■ LC74HC08(SANYO)  
 13) IC218 8-759-202-74 ■ TC74HC04P(TOSHIBA)

14) IC218 8-759-916-14 ■ SN74HC04N(TI)  
 IC219 8-759-970-31 ■ RB88202H-367M  
 IC301 8-752-806-91 ■ CXQ71054P(NEC)  
 IC302 8-752-806-91 ■ CXQ71054P(NEC)  
 IC303 8-752-806-91 ■ CXQ71054P(NEC)

IC304 8-752-806-91 ■ CXQ71054P(NEC)  
 13) IC305 8-759-000-99 ■ MC74HC07AN(TOSHIBA)  
 14) IC305 8-759-916-29 ■ SN74HC07AN(TI)  
 IC306 8-759-240-24 ■ TC4024BP(TOSHIBA)  
 13) IC307 8-759-202-74 ■ TC74HC04P(TOSHIBA)

14) IC307 8-759-916-14 ■ SN74HC04N(TI)  
 IC308 8-759-938-83 ■ CF77074WT(TI)  
 IC309 8-759-938-83 ■ CF77074WT(TI)  
 IC310 8-759-938-83 ■ CF77074WT(TI)  
 IC311 8-759-240-30 ■ TC4030BP(TOSHIBA)

IC401 8-759-132-40 ■ UPC324C(NEC)  
 IC402 8-759-240-52 ■ TC4052BP(TOSHIBA)  
 IC403 8-759-240-52 ■ TC4052BP(TOSHIBA)  
 13) IC404 8-759-901-29 ■ MS512B-15RS(SONY)  
 14) IC404 8-752-321-02 ■ CXS5816PN-15L(SONY)

IC405 8-759-785-08 ■ 27128-0950P105-25(FUJITSU)  
 13) IC406 8-759-203-35 ■ TC74HC373P(TOSHIBA)  
 14) IC406 8-759-916-94 ■ SN74HC373P(TI)  
 IC407 8-759-113-03 ■ UPD78310CN(NEC)  
 IC408 8-759-917-43 ■ SN74HC138N(TI)

IC409 8-759-917-43 ■ SN74HC138N(TI)  
 IC410 8-759-202-89 ■ SN74HC138P(TOSHIBA)  
 IC411 8-759-103-92 ■ UP648C(NEC)  
 IC412 8-759-990-82 ■ TL0820P(TI)  
 IC413 8-759-203-12 ■ TC74HC41P(TOSHIBA)

IC414 8-759-240-66 ■ TC4066BP(TOSHIBA)  
 IC415 8-759-240-66 ■ TC4066BP(TOSHIBA)  
 IC416 8-759-990-84 ■ TL084CM (TI)  
 IC417 8-759-990-84 ■ TL084CM (TI)  
 IC418 8-759-982-03 ■ RC78129A(RAYTHEON)

13) IC420 8-759-202-13 ■ TC74HC04P(TOSHIBA)  
 14) IC420 8-759-916-29 ■ SN74HC04N(TI)  
 IC422 8-759-203-68 ■ TC74HC040P(TOSHIBA)  
 IC423 8-759-345-38 ■ HD14538RP(TOSHIBA)  
 IC501 8-759-981-64 ■ LM2903B(RAYTHEON)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".



Ref No. Parts No. SP Description

IC502 8-759-990-82 \* TL082CP(TI)  
 IC503 8-759-145-58 \* UPG4558C(NEC)  
 IC504 8-759-132-40 \* UPG324C(NEC)  
 IC505 8-759-240-53 \* TC4053BP(TOSHIBA)  
 IC506 8-759-981-64 \* LM2903D(RATHEON)  
 IC507 8-759-910-43 \* CX23028(SONY)

IC509 8-759-345-38 \* ND14538BP(TOSHIBA)  
 IC510 8-759-981-64 \* LM7903D(RATHEON)  
 IC511 8-759-981-64 \* LM7903D(RATHEON)  
 IC512 8-759-345-38 \* ND14538BP(TOSHIBA)  
 IC513 8-759-902-21 \* SM74LS221N(TI)

IC514 8-759-990-82 \* TL082CP(TI)  
 IC515 8-759-990-82 \* TL082CP(TI)  
 IC516 8-759-938-68 \* CXD1095Q(SONY)  
 1) IC601 8-759-132-40 \* UPG324C(NEC)  
 2) IC601 8-759-990-84 \* TL084CM(TI)

IC602 8-759-132-40 \* UPG324C(NEC)  
 IC603 8-759-145-58 \* UPG4558C(NEC)  
 1) IC604 8-759-132-40 \* UPG324C(NEC)  
 2) IC604 8-759-990-84 \* TL084CM(TI)  
 IC605 8-759-132-40 \* UPG324C(NEC)

5) IC606 8-759-240-53 \* TC4053BP(TOSHIBA)  
 6) IC606 8-759-240-53 \* TC4052BP(TOSHIBA)  
 IC607 8-759-240-53 \* TC4053BP(TOSHIBA)  
 IC608 8-759-981-64 \* LM2903D(RATHEON)  
 IC609 8-759-981-64 \* LM2903D(RATHEON)

IC610 8-759-910-43 \* CX23028(SONY)  
 IC701 8-759-990-82 \* TL082CP(TI)  
 IC702 8-759-990-82 \* TL082CP(TI)  
 IC703 8-759-928-00 \* CX7928P(SONY)

L201 1-459-155-00 \* (WITH CORE) 45  
 L701 1-459-155-00 \* (WITH CORE) 45  
 L702 1-459-155-00 \* (WITH CORE) 45  
 L703 1-459-155-00 \* (WITH CORE) 45  
 L704 1-459-155-00 \* (WITH CORE) 45

Q101 8-729-201-05 \* 2SC2878-B  
 Q102 8-729-201-05 \* 2SC2878-B  
 Q103 8-729-900-36 \* DTC124ES  
 Q104 8-729-900-36 \* DTC124ES  
 Q105 8-729-201-05 \* 2SC2878-B

Q106 8-729-900-36 \* DTC124ES  
 Q201 8-729-900-36 \* DTC124ES  
 Q202 8-729-900-63 \* DTA124ES  
 Q203 8-729-178-54 \* 2SC2785  
 Q204 8-729-900-36 \* DTC124ES

Q205 8-729-900-36 \* DTC124ES  
 Q206 8-729-900-36 \* DTC124ES  
 Q207 8-729-178-54 \* 2SC2785  
 Q301 8-729-900-36 \* DTC124ES  
 Q401 8-729-178-54 \* 2SC2785

Q402 8-729-178-54 \* 2SC2785  
 Q403 8-729-178-54 \* 2SC2785  
 Q404 8-729-178-54 \* 2SC2785  
 Q405 8-729-178-54 \* 2SC2785  
 Q406 8-729-178-54 \* 2SC2785

Q407 8-729-900-63 \* DTA124ES  
 Q408 8-729-900-36 \* DTC124ES  
 Q409 8-729-900-36 \* DTC124ES  
 Q410 8-729-900-36 \* DTC124ES  
 Q411 8-729-178-54 \* 2SC2785

Q412 8-729-900-63 \* DTA124ES  
 Q501 8-729-900-36 \* DTC124ES  
 Q502 8-729-201-05 \* 2SC2878-B  
 Q503 8-729-201-05 \* 2SC2878-B  
 Q504 8-729-201-05 \* 2SC2878-B

Ref No. Parts No. SP Description

Q505 8-729-201-05 \* 2SC2878-B  
 Q506 8-729-900-36 \* DTC124ES  
 Q507 8-729-900-36 \* DTC124ES  
 Q508 8-729-201-05 \* 2SC2878-B  
 Q509 8-729-201-05 \* 2SC2878-B

Q510 8-729-900-36 \* DTC124ES  
 Q511 8-729-900-36 \* DTC124ES  
 5) Q601 8-729-900-36 \* DTC124ES  
 6) Q602 8-729-900-36 \* DTC124ES  
 Q603 8-729-900-63 \* DTA124ES

Q604 8-729-201-05 \* 2SC2878-B  
 Q605 8-729-900-63 \* DTA124ES  
 Q606 8-729-201-05 \* 2SC2878-B  
 Q607 8-729-201-05 \* 2SC2878-B  
 Q608 8-729-201-05 \* 2SC2878-B

Q609 8-729-201-05 \* 2SC2878-B  
 Q610 8-729-178-54 \* 2SC2785  
 Q611 8-729-178-54 \* 2SC2785  
 Q612 8-729-178-54 \* 2SC2785  
 Q613 8-729-900-36 \* DTC124ES

Q701 8-729-178-54 \* 2SC2785  
 Q702 8-729-178-54 \* 2SC2785  
 Q703 8-729-178-54 \* 2SC2785  
 Q704 8-729-178-54 \* 2SC2785  
 Q705 8-729-178-54 \* 2SC2785

Q706 8-729-900-63 \* DTA124ES  
 Q707 8-729-900-36 \* DTC124ES

R118 1-247-849-00 \* CARBON 5.6k 5% 1/6W  
 R128 1-247-849-00 \* CARBON 5.6k 5% 1/6W  
 R172 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R244 1-247-887-00 \* CARBON 220k 5% 1/6W  
 6) R441 1-247-885-00 \* CARBON 180k 5% 1/4W

R450 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R451 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R452 1-247-883-00 \* CARBON 150k 5% 1/6W  
 R505 1-247-849-00 \* CARBON 5.6k 5% 1/8W  
 R516 1-247-849-00 \* CARBON 5.6k 5% 1/8W

R530 1-247-895-00 \* CARBON 470k 5% 1/6W  
 R535 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R541 1-247-891-00 \* CARBON 330k 5% 1/6W  
 R551 1-247-895-00 \* CARBON 470k 5% 1/6W  
 5) R557 1-247-895-00 \* CARBON 470k 5% 1/6W

R566 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R574 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R582 1-247-887-00 \* CARBON 220k 5% 1/6W  
 R584 1-247-881-00 \* CARBON 120k 5% 1/6W  
 R589 1-247-887-00 \* CARBON 220k 5% 1/6W

R601 1-247-747-11 \* CARBON 470 5% 1/2W  
 R602 1-247-747-11 \* CARBON 470 5% 1/2W  
 R610 1-247-883-00 \* CARBON 150k 5% 1/6W  
 5) R620 1-247-885-00 \* CARBON 180k 5% 1/6W  
 6) R620 1-247-887-00 \* CARBON 220k 5% 1/4W

R821 1-247-891-00 \* CARBON 330k 5% 1/6W  
 5) R821 1-247-891-00 \* CARBON 330k 5% 1/6W  
 6) R821 1-247-895-00 \* CARBON 470k 5% 1/4W  
 1) R840 1-247-895-00 \* CARBON 470k 5% 1/6W  
 2) R840 1-247-887-00 \* CARBON 220k 5% 1/6W

12) R840 1-247-883-00 \* CARBON 150k 5% 1/4W  
 5) R850 1-247-883-00 \* CARBON 150k 5% 1/6W  
 6) R850 1-247-885-00 \* CARBON 180k 5% 1/4W  
 12) R851 1-247-889-00 \* CARBON 270k 5% 1/4W  
 R888 1-247-887-00 \* CARBON 220k 5% 1/6W

R740 1-532-685-00 \* LINK, IC  
 R760 1-532-675-00 \* LINK, IC

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
3)	R741	1-532-685-00	LINK, 1C
4)	R741	1-532-675-00	LINK, 1C
3)	R742	1-532-685-00	LINK, 1C
4)	R742	1-532-675-00	LINK, 1C
3)	R743	1-532-685-00	LINK, 1C
4)	R743	1-532-675-00	LINK, 1C
6)	R744	1-247-887-00	CARBON 220K 5% 1/4W
	R800	1-247-895-00	CARBON 470K 5% 1/6W
	R809	1-247-895-00	CARBON 470K 5% 1/6W
	R810	1-247-895-00	CARBON 470K 5% 1/6W
5)	R857	1-247-887-00	CARBON 220K 5% 1/6W
5)	R858	1-247-883-00	CARBON 150K 5% 1/6W
	R859	1-247-895-00	CARBON 470K 5% 1/4W
12)	R800	1-247-895-00	CARBON 470K 5% 1/4W

RB201 1-231-411-00 RESISTOR BLOCK 100K

1)	RV101	1-228-996-00	VAR, METAL GLAZE 47K
1)	RV102	1-228-996-00	VAR, METAL GLAZE 47K
	RV103	1-230-499-11	VAR, CARBON 100K
	RV104	1-230-499-11	VAR, CARBON 100K
	RV105	1-228-999-00	VAR, CARBON 470K

	RV106	1-228-999-00	VAR, CARBON 470K
	RV107	1-228-999-00	VAR, CARBON 470K
5)	RV401	1-228-993-00	VAR, CARBON 4.7K
6)	RV401	1-230-720-11	VAR, CARBON 4.7K
	RV402	1-228-990-00	VAR, METAL GLAZE 1K

	RV403	1-228-997-00	VAR, CARBON 100K
	RV404	1-228-997-00	VAR, CARBON 100K
6)	RV405	1-228-994-00	VAR, CARBON 10K
	RV501	1-237-517-21	VAR, METAL FILM 5K
	RV502	1-228-994-00	VAR, METAL GLAZE 10K

	RV503	1-228-994-00	VAR, METAL GLAZE 10K
	RV504	1-228-999-00	VAR, CARBON 470K
	RV505	1-228-996-00	VAR, CARBON 47K
1)	RV506	1-228-994-00	VAR, METAL GLAZE 10K
2)	RV506	1-228-995-00	VAR, METAL GLAZE 10K

	RV507	1-228-994-00	VAR, METAL GLAZE 10K
	RV601	1-228-994-00	VAR, METAL GLAZE 10K
	RV602	1-228-994-00	VAR, METAL GLAZE 10K
	RV603	1-228-994-00	VAR, METAL GLAZE 10K
	RV701	1-228-998-00	VAR, CARBON 220K
5)	RV702	1-228-998-00	VAR, CARBON 220K

11)	S201	1-552-782-00	DIP
12)	S201	1-570-623-11	DIP
	S202	1-552-509-00	DIP

X401 1-567-845-11 VIBRATOR, CRYSTAL 12MHz

SW-170 BOARD

- 11) 1-622-737-11 PRINTED CIRCUIT BOARD, SW-170  
12) 1-622-737-12 PRINTED CIRCUIT BOARD, SW-170

D1	8-719-800-86	TLG255
D2	8-719-800-86	TLG255
D3	8-719-800-86	TLG255
D4	8-719-800-89	TLY255
D5	8-719-800-89	TLY255
D6	8-719-800-89	TLY255

Ref No.	Parts No.	SP	Description
Q1	8-729-178-55	2SC2785-K	
Q2	8-729-178-55	2SC2785-K	
Q3	8-729-178-55	2SC2785-K	
S1	1-516-994-00	LEVER SLIDE	"VIDEO LEVEL"
S2	1-516-994-00	LEVER SLIDE	"AUDIO LIMITER"
S3	1-516-963-00	LEVER SLIDE	"AUDIO MONITOR"
S4	1-516-994-00	LEVER SLIDE	"INPUT SELECT"
S5	1-516-994-00	LEVER SLIDE	"REMOTE/LOCAL"

SW-171 BOARD

- 3) 1-622-738-11 PRINTED CIRCUIT BOARD, SW-171  
4) 1-622-738-12 PRINTED CIRCUIT BOARD, SW-171

S1	1-554-481-00	SLIDE "CHARACTER"
S2	1-554-481-00	SLIDE "DOLBY NR"
S3	1-554-481-00	SLIDE "REMOTE/2"
23) S4	1-554-482-00	SLIDE "INT TPC/AUTO"
24) S4	1-571-908-11	SLIDE "INT TPC/AUTO"

SY-102A BOARD

A-6717-461-A MOUNTED CIRCUIT BOARD, SY-102A

6) C1	1-124-236-00	ELECT 47	20X 16V
6) C2	1-124-236-00	ELECT 47	20X 16V
C3	1-124-445-00	ELECT 100	20X 16V
6) C5	1-124-236-00	ELECT 47	20X 16V
C6	1-161-379-00	CERAMIC 0.01	30X 16V
C7	1-131-351-00	TANTALUM 4.7	10X 35V
5) C8	1-123-611-00	ELECT 1	20X 50V
6) C8	1-124-255-00	ELECT 1	20X 50V
6) C10	1-124-236-00	ELECT 47	20X 16V
C11	1-124-245-00	ELECT 4.7	20X 16V
C12	1-107-169-00	MICA 100PF 5X	500V
C13	1-107-169-00	MICA 100PF 5X	500V
C14	1-161-379-00	CERAMIC 0.01	30X 16V
C15	1-161-379-00	CERAMIC 0.01	30X 16V
C16	1-161-379-00	CERAMIC 0.01	30X 16V

6) C17	1-162-210-31	CERAMIC 30PF 5X	50V
6) C18	1-162-210-31	CERAMIC 30PF 5X	50V
6) C19	1-124-236-00	ELECT 47	20X 16V
C20	1-161-379-00	CERAMIC 0.01	30X 16V
C21	1-161-379-00	CERAMIC 0.01	30X 16V
6) C22	1-124-236-00	ELECT 47	20X 16V
C23	1-161-379-00	CERAMIC 0.01	30X 16V
5) C27	1-123-611-00	ELECT 1	20X 50V
6) C27	1-124-235-00	ELECT 1	20X 50V
5) C28	1-124-247-00	ELECT 10	20X 25V

6) C28	1-124-240-00	ELECT 10	20X 25V
6) C29	1-124-236-00	ELECT 47	20X 16V
5) C30	1-123-611-00	ELECT 1	20X 50V
6) C30	1-124-255-00	ELECT 1	20X 50V
5) C31	1-161-855-00	CERAMIC 47PF 5X	50V

6) C31	1-102-106-00	CERAMIC 100PF 10X	50V
6) C35	1-162-215-31	CERAMIC 47PF 5X	50V
C36	1-161-379-00	CERAMIC 0.01	30X 16V
C37	1-161-379-00	CERAMIC 0.01	30X 16V
C38	1-161-379-00	CERAMIC 0.01	30X 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C39 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 C40 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 C41 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 C42 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 C43 1-161-379-00 \* CERAMIC 0.01 30X 16V

C44 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 5) C45 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 5) C46 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 5) C47 1-161-379-00 \* CERAMIC 0.01 30X 16V  
 C48 1-162-207-31 \* CERAMIC 22PF 5X 50V

C49 1-162-207-31 \* CERAMIC 22PF 5X 50V  
 C51 1-124-245-00 \* ELCT 4.7 20X 16V

CN558 1-506-701-11 \* HEADER 10P

D2 8-719-911-19 \* 1SS119  
 D3 8-719-911-19 \* 1SS119  
 D4 8-719-911-19 \* 1SS119  
 D5 8-719-911-19 \* 1SS119  
 D6 8-719-911-19 \* 1SS119

D7 8-719-911-19 \* 1SS119  
 D8 8-719-911-19 \* 1SS119  
 D9 8-719-911-19 \* 1SS119  
 D10 8-719-911-19 \* 1SS119  
 D11 8-719-911-19 \* 1SS119

D12 8-719-911-19 \* 1SS119  
 D15 8-719-911-19 \* 1SS119  
 D16 8-719-911-19 \* 1SS119  
 D17 8-719-911-19 \* 1SS119  
 6) D18 8-719-911-19 \* 1SS119

13) IC1 8-759-208-85 \* TMP284C011AF (TOSHIBA)  
 14) IC1 8-759-208-86 \* TMP284C011AF-6 (TOSHIBA)  
 IC2 8-759-558-17 \* 27C236-W950SVI07  
 13) IC3 8-752-321-03 \* CXK58642N-10 (SONY)  
 14) IC3 8-752-326-10 \* CXK58642N-10L (SONY)

IC4 8-759-942-12 \* MBM212-25P (FUJITSU)  
 IC5 8-759-916-84 \* LMH084A (SHARP)  
 IC6 8-759-938-68 \* CXD1095Q (SONY)  
 IC7 8-759-944-65 \* MB88551N-263M (FUJITSU)  
 5) IC8 8-759-202-86 \* TC74HC123P (TOSHIBA)

6) IC8 8-759-045-38 \* MC14538BGP (MOTOROLA)  
 13) IC9 8-759-202-74 \* TC74HC04P (TOSHIBA)  
 14) IC9 8-759-916-14 \* SN74HC04N (TOSHIBA)  
 IC10 8-759-240-69 \* TC4069BUP (TOSHIBA)  
 IC11 8-759-202-85 \* MC74HC126N (TI)

IC12 8-759-008-57 \* MC34051P (MOTOROLA)  
 IC13 8-759-202-21 \* TC74HC32P (TI)  
 IC14 8-759-202-89 \* TC74HC139P (TI)  
 IC15 8-759-145-58 \* UPG4558C (NEC)  
 IC16 8-759-981-64 \* LM2903D (RAYTHEON)

IC17 8-759-202-21 \* TC74HC32P (TI)  
 13) IC18 8-759-202-17 \* TC74HC14P (TOSHIBA)  
 14) IC18 8-759-916-20 \* SN74HC14N (TOSHIBA)

Q2 8-729-900-65 \* DTA144ES  
 Q3 8-729-900-89 \* DTC144ES  
 Q4 8-729-900-89 \* DTC144ES  
 Q5 8-729-275-42 \* 2SC2754-Y  
 Q6 8-729-275-42 \* 2SC2754-Y

Q7 8-729-178-55 \* 2SC2785-E  
 Q8 8-729-178-55 \* 2SC2785-E  
 Q9 8-729-900-89 \* DTC144ES  
 Q11 8-729-811-11 \* 2SD1111

Ref No. Parts No. SP Description

R8 1-247-881-00 \* CARBON 120K 5X 1/6W  
 R44 1-247-887-00 \* CARBON 220K 5X 1/6W  
 R47 1-247-887-00 \* CARBON 220K 5X 1/6W  
 R86 1-247-849-00 \* CARBON 5.6K 5X 1/6W  
 R88 1-247-849-00 \* CARBON 5.6K 5X 1/6W

5) R81 1-235-005-00 \* RESISTOR BLOCK 47K  
 R82 1-235-005-00 \* RESISTOR BLOCK 47K  
 R83 1-231-410-00 \* RESISTOR BLOCK 10K  
 5) R84 1-231-410-00 \* RESISTOR BLOCK 10K  
 5) R85 1-235-005-00 \* RESISTOR BLOCK 47K

R86 1-235-109-00 \* RESISTOR BLOCK 22K  
 R87 1-235-109-00 \* RESISTOR BLOCK 22K  
 5) R88 1-235-109-00 \* RESISTOR BLOCK 22K  
 R89 1-231-407-00 \* RESISTOR BLOCK 2.2K  
 R910 1-231-410-00 \* RESISTOR BLOCK 10K  
 R911 1-231-410-00 \* RESISTOR BLOCK 10K

RV1 1-230-497-11 \* VAR, CARBON 22K

X1 1-567-870-11 \* VIBRATOR, CERAMIC 9.8MHz  
 X2 1-567-132-00 \* VIBRATOR, CERAMIC 8MHz

VR-48 BOARD

1-622-727-11 \* PRINTED CIRCUIT BOARD, VR-48

C101 1-124-445-00 \* ELECT 100 20X 16V  
 C102 1-124-445-00 \* ELECT 100 20X 16V  
 C201 1-124-445-00 \* ELECT 100 20X 16V  
 C202 1-124-445-00 \* ELECT 100 20X 16V

IC1 8-759-982-02 \* RC4562D-D (RAYTHEON)  
 IC2 8-759-982-02 \* RC4562D-D (RAYTHEON)

RV1 1-230-339-11 \* VAR, VAR, CARBON 100K  
 RV2 1-237-715-11 \* VAR, CARBON 10K  
 RV3 1-237-714-11 \* VAR, VAR, CARBON 5K/5K  
 RV4 1-237-714-11 \* VAR, VAR, CARBON 5K/5K

VR-49 BOARD

1-622-731-11 \* PRINTED CIRCUIT BOARD, VR-49

R11 1-249-406-11 \* CARBON 120 5X 1/6W  
 R12 1-249-406-11 \* CARBON 120 5X 1/6W

RV11 1-228-218-00 \* VAR, CARBON 500/500

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

# UR-21(C1),(C2)

Ref No. Parts No. SP Description

## SWITCHING REGULATOR UR-21

1-413-307-24 s SWITCHING REGULATOR UR-21B

1-562-282-11 o HOUSING 4P

M201 1-541-431-31 o DC FAN

## UR-21 C1 BOARD

A-4925-216-A o MOUNTED CIRCUIT BOARD, UR-21 C1

C51 1-161-925-91 s CERAMIC 100PF 10X 500V  
C52 1-161-925-91 s CERAMIC 100PF 10X 500V  
C53 1-131-458-51 s TANTAL 1.5 20X 16V  
C55 1-130-018-51 s FILM 0.001 5X 50V  
C56 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V  
C57 1-130-506-91 s TEREPHTHALATE 0.0015 10X 50V  
C59 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V  
C61 1-124-924-91 s ELECT 1 20X 100V

CN52 1-564-352-11 o PIN, 7P  
CN53 1-564-352-11 o PIN, 7P

D51 1-807-913-21 s 11EQ804  
D52 1-807-913-21 s 11EQ804  
D53 1-807-913-21 s 11EQ804  
D54 1-807-913-21 s 11EQ804  
D55 8-719-911-19 s 18S119  
D56 8-719-911-19 s 18S119  
D57 8-719-109-93 s RD6-2ES-33  
D58 8-719-107-87 s THYRISTOR 0372M  
D59 8-719-911-19 s 18S119  
D60 8-719-911-19 s 18S119

D61 8-719-911-19 s 18S119  
D62 8-719-911-19 s 18S119  
D63 8-719-109-75 s RD4-3ES-82

IC51 8-759-937-59 s MB3759(FDJ7TSU)  
IC52 8-759-103-93 s UPC393C(NEC)

L51 1-410-466-21 s MICRO 4.7

Q51 8-729-208-04 s 2SK422  
Q52 8-729-208-04 s 2SK422  
Q53 8-729-117-54 s 2SA1175  
Q54 8-729-178-54 s 2BC2785  
Q55 8-729-117-54 s 2SA1175

Ref No. Parts No. SP Description

R51 1-247-817-91 s CARBON 270 5X 1/4W  
R52 1-247-829-91 s CARBON 820 5X 1/4W  
R53 1-247-825-91 s CARBON 560 5X 1/4W  
R54 1-247-825-91 s CARBON 560 5X 1/4W  
R55 1-215-445-91 s METAL 10K 1X 1/6W

R56 1-247-903-91 s CARBON 1M 5X 1/4W  
R57 1-247-823-91 s CARBON 470 5X 1/4W  
R58 1-247-875-91 s CARBON 68K 5X 1/4W  
R60 1-247-835-91 s CARBON 1.5K 5X 1/4W  
R61 1-247-849-91 s CARBON 5.6K 5X 1/4W

R62 1-247-831-91 s CARBON 1K 5X 1/4W  
R63 1-247-839-91 s CARBON 2.2K 5X 1/4W  
R64 1-247-847-91 s CARBON 4.7K 5X 1/4W  
R65 1-247-847-91 s CARBON 4.7K 5X 1/4W  
R66 1-247-869-91 s CARBON 39K 5X 1/4W

R67 1-247-839-91 s CARBON 2.2K 5X 1/4W  
R68 1-247-853-91 s CARBON 8.2K 5X 1/4W  
R69 1-247-831-91 s CARBON 1K 5X 1/4W  
R70 1-247-849-91 s CARBON 5.6K 5X 1/4W  
R71 1-247-831-91 s CARBON 1K 5X 1/4W

R72 1-247-843-91 s CARBON 3.3K 5X 1/4W  
R73 1-247-841-91 s CARBON 2.7K 5X 1/4W  
R74 1-247-843-91 s CARBON 3.3K 5X 1/4W  
R75 1-247-843-91 s CARBON 3.3K 5X 1/4W  
R76 1-247-839-91 s CARBON 2.2K 5X 1/4W

R77 1-247-839-91 s CARBON 2.2K 5X 1/4W  
R78 1-247-839-91 s CARBON 2.2K 5X 1/4W  
R79 1-247-849-91 s CARBON 5.6K 5X 1/4W  
R80 1-247-855-91 s CARBON 10K 5X 1/4W  
R81 1-247-847-91 s CARBON 4.7K 5X 1/4W

R82 1-247-865-91 s CARBON 27K 5X 1/4W  
R83 1-247-857-91 s CARBON 12K 5X 1/4W  
R84 1-247-821-91 s CARBON 390 5X 1/4W  
R85 1-247-831-91 s CARBON 1K 5X 1/4W

RV51 1-228-990-11 s VAR, METAL GLAZE 1K

## UR-21 C2 BOARD

C51 1-161-925-91 s CERAMIC 100PF 10X 500V  
C52 1-161-925-91 s CERAMIC 100PF 10X 500V  
C53 1-131-458-51 s TANTAL 1.5 20X 16V  
C55 1-130-018-51 s FILM 0.001 5X 50V  
C56 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V

C57 1-130-506-91 s TEREPHTHALATE 0.0015 10X 50V  
C59 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V

CN52 1-564-352-11 o PIN, 7P  
CN53 1-564-352-11 o PIN, 7P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D51 1-807-913-21 # 11EQ804  
 D52 1-807-913-21 # 11EQ804  
 D53 1-807-913-21 # 11EQ804  
 D54 1-807-913-21 # 11EQ804  
 D55 1-719-911-19 # 1SS119

D56 1-719-911-19 # 1SS119  
 D57 8-719-112-98 # RD15ES-T1B2  
 D58 8-719-108-87 # 03P2K  
 D59 8-719-911-19 # 1SS119  
 D60 8-719-911-19 # 1SS119

D61 8-719-911-19 # 1SS119  
 D62 8-719-911-19 # 1SS119  
 D63 8-719-112-73 # RD11SS-T1B2

IC51 8-759-937-59 # MB3759(FUJITSU)  
 IC52 8-759-103-93 # UPC393C(NEC)

L51 1-410-466-21 # MICRO 4.7

Q51 8-729-208-04 # 2SK422  
 Q52 8-729-208-04 # 2SK422  
 Q53 8-729-117-54 # 2SA1175  
 Q54 8-729-178-54 # 2SC2785  
 Q55 8-729-117-54 # 2SA1175

R51 1-247-813-91 # CARBON 180 5% 1/4W  
 R52 1-247-829-91 # CARBON 820 5% 1/4W  
 R53 1-247-825-91 # CARBON 560 5% 1/4W  
 R54 1-247-825-91 # CARBON 560 5% 1/4W  
 R55 1-215-443-91 # METAL 10K 1% 1/6W  
 R56 1-247-903-91 # CARBON 1M 5% 1/4W  
 R57 1-247-823-91 # CARBON 470 5% 1/4W  
 R58 1-247-877-91 # CARBON 62K 5% 1/4W  
 R60 1-247-813-91 # CARBON 7.5K 5% 1/4W  
 R61 1-247-849-91 # CARBON 27K 5% 1/4W

R62 1-247-835-91 # CARBON 1.5K 5% 1/4W  
 R63 1-247-839-91 # CARBON 2.2K 5% 1/4W  
 R64 1-247-865-91 # CARBON 4.7K 5% 1/4W  
 R65 1-247-847-91 # CARBON 4.7K 5% 1/4W  
 R66 1-247-869-91 # CARBON 39K 5% 1/4W

R68 1-247-853-91 # CARBON 8.2K 5% 1/4W  
 R69 1-247-831-91 # CARBON 1K 5% 1/4W  
 R70 1-247-849-91 # CARBON 5.6K 5% 1/4W  
 R71 1-247-831-91 # CARBON 1K 5% 1/4W  
 R72 1-247-843-91 # CARBON 3.3K 5% 1/4W

R73 1-247-841-91 # CARBON 2.7K 5% 1/4W  
 R74 1-247-855-91 # CARBON 10K 5% 1/4W  
 R75 1-247-835-91 # CARBON 10K 5% 1/4W  
 R76 1-247-839-91 # CARBON 2.2K 5% 1/4W  
 R77 1-247-855-91 # CARBON 10K 5% 1/4W

R78 1-247-847-91 # CARBON 4.7K 5% 1/4W  
 R79 1-247-863-91 # CARBON 22K 5% 1/4W  
 R80 1-247-855-91 # CARBON 10K 5% 1/4W  
 R81 1-247-849-91 # CARBON 5.6K 5% 1/4W  
 R83 1-247-843-91 # CARBON 3.3K 5% 1/4W

Ref No. Parts No. SP Description

R84 1-247-847-91 # CARBON 4.7K 5% 1/4W  
 R85 1-247-831-91 # CARBON 1K 5% 1/4W

RV51 1-228-990-11 # VAR. METAL GLAZE 1K

UR-21 MI BOARD

A 4-4925-214-A o MOUNTED CIRCUIT BOARD, UR-21 MI

C101 1-136-564-11 # CERAMIC 1000PF 10% 500V  
 C102 1-136-564-11 # CERAMIC 1000PF 10% 500V  
 C104 1-125-477-11 # ELECT 470 20% 400V  
 C105 1-125-477-11 # ELECT 470 20% 400V  
 C106 1-161-915-11 # CERAMIC 1000PF 10% 500V

C107 1-161-915-11 # CERAMIC 1000PF 10% 500V  
 C203 1-161-915-11 # CERAMIC 1000PF 10% 500V  
 C204 1-161-915-11 # CERAMIC 1000PF 10% 500V  
 C205 1-124-636-51 # ELECT 3300 20% 25V  
 C206 1-130-516-91 # TEREPHTHALATE 0.01 10% 50V

C209 1-124-891-51 # ELECT 10000 20% 6.3V  
 C211 1-130-772-21 # METAL 0.22 10% 63V  
 C212 1-124-621-51 # ELECT 3300 20% 6.3V  
 C213 1-130-772-21 # METAL 0.22 10% 63V  
 C214 1-124-583-51 # ELECT 3300 20% 10V

C221 1-130-518-91 # TEREPHTHALATE 0.015 10% 50V  
 C222 1-130-524-51 # TEREPHTHALATE 0.047 10% 50V  
 C223 1-130-524-51 # TEREPHTHALATE 0.047 10% 50V  
 C227 1-124-120-51 # ELECT 220 20% 25V  
 C228 1-130-772-21 # METAL 0.22 10% 63V

C229 1-130-772-21 # METAL 0.22 10% 63V  
 C230 1-130-772-21 # METAL 0.22 10% 63V

A CN101 1-564-242-11 o 5P

CN201 1-564-932-11 o 9P  
 CN202 1-560-893-11 o 5P  
 CN203 1-560-299-11 o 2P  
 CN204 1-560-890-21 o 2P

D101 8-719-109-75 # RD4.3ES-B2  
 D102 8-719-912-20 # 1SS120  
 D103 1-807-913-21 # 11EQ804  
 D104 1-807-913-21 # 11EQ804  
 D201 1-807-774-21 # AD02A

D202 8-719-109-85 # RD5.1ES-B2  
 D203 8-719-109-85 # RD5.1ES-B2  
 D204 8-719-911-19 # 1SS119  
 L205 8-719-200-01 # 10E-1  
 L206 8-719-200-01 # 10E-1

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

## Ref No. Parts No. SP Description

D207 1-807-911-11 s FIOP40F  
 D208 8-719-200-01 s IOE-1  
 D209 8-719-200-01 s IOE-1  
 D210 8-719-302-60 s PM-32S  
 D211 1-807-963-21 s 31DP2

D212 1-807-963-21 s 31DP2  
 D213 8-719-110-13 s RD9.1BS-B2  
 D214 1-807-911-21 s FIOP40YM  
 D215 8-719-912-20 s IBS120  
 D216 8-719-912-20 s IBS120

D220 8-719-200-01 s IOE-1  
 D222 8-719-200-01 s IOE-1

FS201 1-543-060-11 s  
 FS202 1-543-060-11 s  
 FS203 1-543-060-11 s  
 FS204 1-543-060-11 s  
 FS205 1-543-060-11 s

FS206 1-543-060-11 s

IC101 1-807-814-11 s B-5272(JRM)  
 IC201 8-759-135-80 s UFG398C(REC)  
 IC202 8-759-077-35 s TL431CLP(T1)  
 IC203 8-759-077-35 s TL431CLP(T1)

L201 A-4935-038-A s CHOKE  
 L202 1-421-459-21 s CHOKE  
 L203 A-4935-037-A s CHOKE  
 L204 1-421-459-21 s CHOKE  
 L205 1-421-734-11 s CHOKE

L206 1-421-459-21 s CHOKE  
 L207 1-421-459-21 s CHOKE

PS101 1-532-605-11 s LINK, 1C  
 PS102 1-532-605-11 s LINK, 1C  
 PS201 1-532-605-11 s LINK, 1C

Q101 1-807-858-11 s IREP451  
 Q102 1-807-858-11 s IREP451  
 Q103 8-729-113-32 s 2SB733  
 Q104 8-729-113-32 s 2SB733  
 Q201 8-729-103-43 s 2SB734

Q202 8-729-178-54 s 28C2785  
 Q203 8-729-178-54 s 28C2785  
 Q204 8-729-178-54 s 28C2785  
 Q205 1-807-914-11 s 2SA1443  
 Q206 8-729-177-43 s 28B774

Q207 1-807-914-11 s 2SA1443  
 Q208 8-729-117-54 s 2SA1175  
 Q209 1-807-195-11 s 28C3692  
 Q210 8-729-178-54 s 28C2785

## Ref No. Parts No. SP Description

R101 1-247-855-91 s CARBON 10K 5% 1/4W  
 R102 1-246-473-75 s CARBON 1K 5% 1/4W

R103 1-247-692-51 s CARBON 22 5% 1/4W  
 R104 1-247-692-51 s CARBON 22 5% 1/4W

R105 1-247-831-91 s CARBON 1K 5% 1/4W  
 R106 1-247-831-91 s CARBON 1K 5% 1/4W

R107 1-205-622-11 s CEMENT 33 5% 5W

R201 1-247-849-91 s CARBON 5.6K 5% 1/4W  
 R202 1-247-837-91 s CARBON 1.8K 5% 1/4W  
 R203 1-246-445-75 s CARBON 68 5% 1/4W  
 R204 1-247-855-91 s CARBON 10K 5% 1/4W  
 R205 1-247-861-91 s CARBON 18K 5% 1/4W

R206 1-247-841-91 s CARBON 2.7K 5% 1/4W  
 R207 1-247-849-91 s CARBON 5.6K 5% 1/4W  
 R208 1-247-843-91 s CARBON 3.3K 5% 1/4W  
 R209 1-247-831-91 s CARBON 1K 5% 1/4W

R210 1-205-623-11 s CEMENT 47 5% 5W  
 R212 1-206-648-61 s FILM 220 5% 2W

R213 1-247-859-91 s CARBON 15K 5% 1/4W  
 R214 1-247-855-91 s CARBON 10K 5% 1/4W  
 R215 1-247-887-91 s CARBON 220K 5% 1/6W  
 R216 1-215-451-91 s METAL 18K 1% 1/6W  
 R217 1-215-435-91 s METAL 3.9K 1% 1/6W

R218 1-215-426-91 s METAL 1.6K 1% 1/6W  
 R219 1-215-425-91 s METAL 1.5K 1% 1/6W

R220 1-213-137-61 s METAL 330 5% 1W

R221 1-246-441-75 s CARBON 47 5% 1/4W  
 R222 1-247-831-01 s CARBON 1K 5% 1/4W  
 R223 1-247-837-91 s CARBON 1.8K 5% 1/4W  
 R224 1-247-833-91 s CARBON 1.5K 5% 1/4W

R225 1-213-135-61 s METAL 220 5% 1W

R226 1-247-841-91 s CARBON 2.7K 5% 1/4W  
 R227 1-215-446-91 s METAL 11K 1% 1/6W  
 R228 1-215-427-91 s METAL 1.8K 1% 1/6W  
 R229 1-214-669-71 s METAL 3.3 1% 1/4W

R230 1-206-652-61 s METAL 330 5% 2W  
 R231 1-206-652-61 s METAL 330 5% 2W

RV201 1-230-667-11 s VAR, CERMET 500

ST201 1-571-055-71 s THERMAL SENSOR

T101 1-448-393-11 s CONVERTER  
 T102 A-4935-035-A s CONVERTER  
 T103 1-421-619-11 s CURRENT  
 T104 1-437-188-11 s DRIVE  
 T105 1-437-188-11 s DRIVE

T106 1-447-938-11 s CONVERTER

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

**UR-21 M2 BOARD****ΔA-4925-215-A** o MOUNTED CIRCUIT BOARD, UR-21 M2

ΔC151	1-136-185-12	a	FILM	0.22	20X	250V
C152	1-136-185-12	a	FILM	0.22	20X	250V

C154	1-136-185-12	a	FILM	0.22	20X	250V
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ΔC155	1-161-742-12	a	CERAMIC	2200PF	20X	400V
C156	1-161-742-12	a	CERAMIC	2200PF	20X	400V
C157	1-161-742-12	a	CERAMIC	2200PF	20X	400V
C158	1-161-742-12	a	CERAMIC	2200PF	20X	400V
C159	1-161-742-12	a	CERAMIC	2200PF	20X	400V

C161	1-136-564-11	a	FILM	1.8	10X	250V
C162	1-136-564-11	a	FILM	1.8	10X	250V
C163	1-161-915-11	a	CERAMIC	1000PF	10X	500V
C164	1-161-915-11	a	CERAMIC	1000PF	10X	500V

ΔC165	1-161-742-12	a	CERAMIC	2200PF	20X	400V
C166	1-161-742-12	a	CERAMIC	2200PF	20X	400V
C167	1-161-742-12	a	CERAMIC	2200PF	20X	400V

C251	1-161-915-11	a	CERAMIC	1000PF	10X	500V
C252	1-161-915-11	a	CERAMIC	1000PF	10X	500V
C253	1-124-556-51	a	ELECT	2200	20X	16V
C254	1-124-555-51	a	ELECT	1000	20X	16V
C255	1-124-923-91	a	ELECT	0.47	20X	100V

C256	1-124-898-51	a	ELECT	4700	20X	16V
C257	1-124-898-51	a	ELECT	4700	20X	16V
C258	1-124-898-51	a	ELECT	4700	20X	16V
C260	1-124-563-51	a	ELECT	2200	20X	25V
C263	1-130-518-91	a	TEREPHTHALATE	0.015	10X	50V

C264	1-130-524-91	a	TEREPHTHALATE	0.047	10X	50V
C265	1-130-524-91	a	TEREPHTHALATE	0.047	10X	50V
C268	1-130-772-21	a	FILM	0.22	10X	63V
C269	1-130-772-21	a	FILM	0.22	10X	63V
C270	1-130-772-21	a	FILM	0.22	10X	63V

**ΔCNI151** 1-564-215-11 o PIN, 4P

CN251	1-566-313-11	a	PIN, 7P
CN252	1-560-893-11	a	PIN, 5P
CN253	1-560-890-21	a	PIN, 2P

Ref No. Parts No. SP Description

**ΔD151** 1-807-907-11 a KNO88JLM

D153	1-807-913-21	a	11BQ804
D154	1-807-913-21	a	11BQ804
D251	1-807-909-11	a	FIOP201
D252	1-807-921-11	a	FMG-348
D253	1-807-911-21	a	FIOP40 PR

D254	8-719-109-97	a	RD6.8ES-B2
D255	8-719-912-00	a	1SS120
D256	8-719-912-00	a	1SS120
D257	8-719-200-01	a	108-1
D258	8-719-911-19	a	1SS119

D260	8-719-912-20	a	1SS120
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**ΔF151** 1-532-604-21 a FUSE, 250V 3A

FB251	1-543-060-11	a	
FB252	1-543-060-11	a	
FB253	1-543-060-11	a	
FB254	1-543-060-11	a	
FB255	1-543-060-11	a	
FB256	1-543-060-11	a	

IC251 8-759-007-33 a TL431CLP(TI)

ΔL151	1-421-590-11	a	LINE FILTER
L152	1-421-978-11	a	LINE FILTER

L251	A-4935-039-A	a	CHOKER
L252	1-421-459-21	a	CHOKER
L253	1-421-734-11	a	CHOKER

L254	1-408-322-11	a	CHOKER
L255	1-421-459-21	a	CHOKER
L512	1-421-978-11	a	LINE FILTER

Q151	1-807-858-11	a	1REP451
Q152	1-807-858-11	a	1REP451
Q153	8-729-113-32	a	28B733
Q154	8-729-113-32	a	28B733
Q251	8-729-178-54	a	2SC2785

Q252	1-807-195-11	a	2SC3692
Q253	8-729-178-54	a	2SC2785

R151 1-202-727-11 a SOLID 4.7M 10X 1/2W

ΔR152	1-205-915-11	a	WIREWOUND 4.7 10X 7W
R153	1-205-915-11	a	WIREWOUND 4.7 10X 7W
R154	1-247-692-51	a	CARBON 22 5X 1/4W
R155	1-247-692-51	a	CARBON 22 5X 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

# UR-21(M2),FRAME

Ref No. Parts No. SP Description

R156 1-247-831-91 n CARBON 1K 5% 1/4W  
R157 1-247-831-91 n CARBON 1K 5% 1/4W

A R158 1-205-652-11 n CEMENT 68 5% 5W  
R251 1-205-652-11 n CEMENT 33 5% 5W

R252 1-247-835-91 n CARBON 1.5K 5% 1/4W

R253 1-247-855-91 n CARBON 10K 5% 1/4W

A R254 1-219-155-61 n FILM 220 5% 1W

R255 1-247-839-91 n CARBON 2.2K 5% 1/4W

R256 1-247-843-91 n CARON 3.3K 5% 1/4W

R257 1-247-859-91 n CARBON 15K 5% 1/4W

R258 1-214-669-71 n FILM 3.3 1% 1/4W

A R259 1-206-652-61 n FILM 330 5% 2W  
R260 1-206-652-61 n FILM 330 5% 2W

RV251 1-230-668-11 n VAR, CERMET 1K

A RT151 1-515-662-11 n POWER

ST251 1-571-055-71 n THERMAL SENSOR

A T151 A-4935-036-A n CONVERTER  
T152 1-421-819-11 n CURRENT  
T153 1-437-188-11 n DRIVE  
T154 1-437-188-11 n DRIVE

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".



## S/N 13731 AND HIGHER

Ref No. Parts No. SP Description

## SV-113C BOARD

A-6715-429-A o MOUNTED CIRCUIT BOARD, SV-113C

C101	1-126-157-11	o	ELECT	10	20X 16V
C102	1-124-234-00	o	ELECT	22	20X 16V
C107	1-161-494-00	o	CERAMIC	0.022	25V
C111	1-162-290-31	o	CERAMIC	470PF	10X 50V
C114	1-162-282-31	o	CERAMIC	100PF	10X 50V
C116	1-162-290-31	o	CERAMIC	470PF	10X 50V
C204	1-126-094-11	o	ELECT	4.7	20X 25V
C205	1-161-379-00	o	CERAMIC	0.01	30X 16V
C206	1-162-282-31	o	CERAMIC	100PF	10X 50V
C208	1-126-094-11	o	ELECT	4.7	20X 25V
C210	1-161-379-00	o	CERAMIC	0.01	30X 16V
C211	1-162-282-31	o	CERAMIC	100PF	10X 50V
C212	1-124-438-00	o	ELECT	1	20X 50V
C214	1-126-157-11	o	ELECT	10	20X 16V
C216	1-162-213-31	o	CERAMIC	39PF	5X 50V
C218	1-124-438-00	o	ELECT	1	20X 50V
C220	1-126-157-11	o	ELECT	10	20X 16V
C221	1-162-213-31	o	CERAMIC	39PF	5X 50V
C224	1-124-438-00	o	ELECT	1	20X 50V
C226	1-126-157-11	o	ELECT	10	20X 16V
C227	1-162-213-31	o	CERAMIC	39PF	5X 50V
C232	1-162-288-31	o	CERAMIC	330PF	10X 50V
C233	1-162-288-31	o	CERAMIC	330PF	10X 50V
C234	1-162-290-31	o	CERAMIC	470PF	10X 50V
C235	1-162-290-31	o	CERAMIC	470PF	10X 50V
C301	1-161-494-00	o	CERAMIC	0.022	25V
C302	1-161-494-00	o	CERAMIC	0.022	25V
C303	1-161-494-00	o	CERAMIC	0.022	25V
C304	1-126-157-11	o	ELECT	10	20X 16V
C305	1-124-438-00	o	ELECT	1	20X 50V
C306	1-124-438-00	o	ELECT	1	20X 50V
C310	1-162-290-31	o	CERAMIC	470PF	10X 50V
C311	1-124-234-00	o	ELECT	22	20X 16V
C312	1-124-234-00	o	ELECT	22	20X 16V
C313	1-124-234-00	o	ELECT	22	20X 16V
C314	1-124-465-00	o	ELECT	0.47	20X 50V
C317	1-162-286-31	o	CERAMIC	220PF	10X 50V
C326	1-126-157-11	o	ELECT	10	20X 16V
C327	1-161-494-00	o	CERAMIC	0.022	25V
C328	1-126-157-11	o	ELECT	10	20X 16V
C333	1-161-494-00	o	CERAMIC	0.022	25V
C337	1-162-294-31	o	CERAMIC	0.001	10X 50V
C338	1-162-294-31	o	CERAMIC	0.001	10X 50V
C339	1-162-294-31	o	CERAMIC	0.001	10X 50V
C340	1-162-294-31	o	CERAMIC	0.001	10X 50V
C341	1-162-294-31	o	CERAMIC	0.001	10X 50V
C343	1-162-294-31	o	CERAMIC	0.001	10X 50V

Ref No. Parts No. SP Description

C345	1-162-288-31	o	CERAMIC	330PF	10X 50V
C346	1-126-157-11	o	ELECT	10	20X 16V
C401	1-161-377-00	o	CERAMIC	0.0047	30X 16V
C402	1-161-377-00	o	CERAMIC	0.0047	30X 16V
C403	1-126-157-11	o	ELECT	10	20X 16V
C404	1-161-494-00	o	CERAMIC	0.022	25V
C405	1-161-494-00	o	CERAMIC	0.022	25V
C406	1-162-294-31	o	CERAMIC	0.001	10X 50V
C407	1-162-294-31	o	CERAMIC	0.001	10X 50V
C409	1-162-294-31	o	CERAMIC	0.001	10X 50V
C410	1-161-494-00	o	CERAMIC	0.022	25V
C411	1-126-157-11	o	ELECT	10	20X 16V
C412	1-126-157-11	o	ELECT	10	20X 16V
C503	1-162-282-31	o	CERAMIC	100PF	10X 50V
C504	1-162-282-31	o	CERAMIC	100PF	10X 50V
C505	1-162-282-31	o	CERAMIC	100PF	10X 50V
C506	1-161-377-00	o	CERAMIC	0.047	30X 16V
C512	1-162-282-31	o	CERAMIC	100PF	10X 50V
C513	1-161-377-00	o	CERAMIC	0.047	30X 16V
C514	1-162-282-31	o	CERAMIC	100PF	10X 50V
C515	1-162-282-31	o	CERAMIC	100PF	10X 50V
C516	1-124-465-00	o	ELECT	0.47	20X 50V
C517	1-124-465-00	o	ELECT	0.47	20X 50V
C603	1-162-290-31	o	CERAMIC	470PF	10X 50V
C604	1-124-257-00	o	ELECT	2.2	20X 50V
C610	1-161-494-00	o	CERAMIC	0.022	25V
C702	1-126-103-11	o	ELECT	470	20X 16V
C704	1-126-103-11	o	ELECT	470	20X 16V
C705	1-161-494-00	o	CERAMIC	0.022	25V
C706	1-161-494-00	o	CERAMIC	0.022	25V
C707	1-161-494-00	o	CERAMIC	0.022	25V
C708	1-161-494-00	o	CERAMIC	0.022	25V
C709	1-161-494-00	o	CERAMIC	0.022	25V
C710	1-161-494-00	o	CERAMIC	0.022	25V
C711	1-161-494-00	o	CERAMIC	0.022	25V
C714	1-161-494-00	o	CERAMIC	0.022	25V
C715	1-161-494-00	o	CERAMIC	0.022	25V
C716	1-161-494-00	o	CERAMIC	0.022	25V
C717	1-161-494-00	o	CERAMIC	0.022	25V
C718	1-161-494-00	o	CERAMIC	0.022	25V
C719	1-161-494-00	o	CERAMIC	0.022	25V
C720	1-161-494-00	o	CERAMIC	0.022	25V
C721	1-161-494-00	o	CERAMIC	0.022	25V
C722	1-161-494-00	o	CERAMIC	0.022	25V
C723	1-161-494-00	o	CERAMIC	0.022	25V
C724	1-161-494-00	o	CERAMIC	0.022	25V
C726	1-161-494-00	o	CERAMIC	0.022	25V
C727	1-161-494-00	o	CERAMIC	0.022	25V
C728	1-161-494-00	o	CERAMIC	0.022	25V
C729	1-161-494-00	o	CERAMIC	0.022	25V
C730	1-161-494-00	o	CERAMIC	0.022	25V
C731	1-161-494-00	o	CERAMIC	0.022	25V
C732	1-161-494-00	o	CERAMIC	0.022	25V
C733	1-161-494-00	o	CERAMIC	0.022	25V
C734	1-161-494-00	o	CERAMIC	0.022	25V
C735	1-161-494-00	o	CERAMIC	0.022	25V
C736	1-161-494-00	o	CERAMIC	0.022	25V
C737	1-161-494-00	o	CERAMIC	0.022	25V

Ref No.	Parts No.	SP	Description		Ref No.	Parts No.	SP	Description
C738	1-161-494-00	a	CERAMIC 0.022	25V	D309	8-719-911-19	a	ISS119
C739	1-161-494-00	a	CERAMIC 0.022	25V	D310	8-719-911-19	a	ISS119
C740	1-161-494-00	a	CERAMIC 0.022	25V	D311	8-719-911-19	a	ISS119
C741	1-161-494-00	a	CERAMIC 0.022	25V	D312	8-719-911-19	a	ISS119
C742	1-161-494-00	a	CERAMIC 0.022	25V	D313	8-719-911-19	a	ISS119
C743	1-161-494-00	a	CERAMIC 0.022	25V	D314	8-719-911-19	a	ISS119
C744	1-161-494-00	a	CERAMIC 0.022	25V	D315	8-719-911-19	a	ISS119
C745	1-161-494-00	a	CERAMIC 0.022	25V	D316	8-719-911-19	a	ISS119
C746	1-161-494-00	a	CERAMIC 0.022	25V	D317	8-719-911-19	a	ISS119
C747	1-161-494-00	a	CERAMIC 0.022	25V	D318	8-719-911-19	a	ISS119
C748	1-161-494-00	a	CERAMIC 0.022	25V	D319	8-719-911-19	a	ISS119
C749	1-161-494-00	a	CERAMIC 0.022	25V	D320	8-719-911-19	a	ISS119
C750	1-161-494-00	a	CERAMIC 0.022	25V	D321	8-719-812-31	a	TLR123
C751	1-161-494-00	a	CERAMIC 0.022	25V	D322	8-719-911-19	a	ISS119
C752	1-161-494-00	a	CERAMIC 0.022	25V	D323	8-719-911-19	a	ISS119
C753	1-161-494-00	a	CERAMIC 0.022	25V	D326	8-719-911-19	a	ISS119
C754	1-161-494-00	a	CERAMIC 0.022	25V	D327	8-719-911-19	a	ISS119
C755	1-161-494-00	a	CERAMIC 0.022	25V	D401	8-719-911-19	a	ISS119
C756	1-161-494-00	a	CERAMIC 0.022	25V	D402	8-719-911-19	a	ISS119
C757	1-161-494-00	a	CERAMIC 0.022	25V	D403	8-719-911-19	a	ISS119
C758	1-161-494-00	a	CERAMIC 0.022	25V	D404	8-719-911-19	a	ISS119
C759	1-161-494-00	a	CERAMIC 0.022	25V	D405	8-719-911-19	a	ISS119
C760	1-161-494-00	a	CERAMIC 0.022	25V	D406	8-719-911-19	a	ISS119
C761	1-161-494-00	a	CERAMIC 0.022	25V	D407	8-719-911-19	a	ISS119
18)C762	1-102-110-00	a	CERAMIC 220PF	50V	D408	8-719-911-19	a	ISS119
CN101	1-506-747-21	o	FIN, DIN (DIP) 64P		D409	8-719-911-19	a	ISS119
CN102	1-506-747-21	o	FIN, DIN (DIP) 64P		D410	8-719-911-19	a	ISS119
D101	8-719-911-19	a	ISS119		D411	8-719-911-19	a	ISS119
D102	8-719-911-19	a	ISS119		D412	8-719-911-19	a	ISS119
D103	8-719-911-19	a	ISS119		D413	8-719-911-19	a	ISS119
D104	8-719-911-19	a	ISS119		D414	8-719-911-19	a	ISS119
D105	8-719-911-19	a	ISS119		D501	8-719-911-19	a	ISS119
D106	8-719-911-19	a	ISS119		D502	8-719-911-19	a	ISS119
D107	8-719-911-19	a	ISS119		D503	8-719-911-19	a	ISS119
D108	8-719-911-19	a	ISS119		D504	8-719-110-03	a	BD7.558-B2
D109	8-719-911-19	a	ISS119		D601	8-719-911-19	a	ISS119
D112	8-719-911-19	a	ISS119		D701	8-719-911-19	a	ISS119
D115	8-719-911-19	a	ISS119		IC101	8-759-938-68	a	CXD1095Q(SONY)
D201	8-719-911-19	a	ISS119		IC102	8-759-970-31	a	MH8202H-567M(RIJITSU)
D202	8-719-911-19	a	ISS119		IC103	8-743-914-00	a	EX3914(SONY)
D203	8-719-911-19	a	ISS119		IC104	8-759-208-10	a	TC4053BPH(TOSHIBA)
D204	8-719-911-19	a	ISS119		IC105	8-759-981-90	a	RC4558UD(RAYTHEON)
D205	8-719-911-19	a	ISS119		IC106	8-759-245-10	a	TC4510BP(TOSHIBA)
D206	8-719-911-19	a	ISS119		IC107	8-759-245-10	a	TC4510BP(TOSHIBA)
D207	8-719-911-19	a	ISS119		IC108	8-759-240-82	a	TC4082BP(TOSHIBA)
D208	8-719-911-19	a	ISS119		IC109	8-759-240-82	a	TC4082BP(TOSHIBA)
D209	8-719-911-19	a	ISS119		IC110	8-759-240-01	a	TC4001RP(TOSHIBA)
D301	8-719-911-19	a	ISS119		IC111	8-759-240-01	a	TC4001BP(TOSHIBA)
D302	8-719-911-19	a	ISS119		IC112	8-759-202-74	a	TC74HC04P(TOSHIBA)
D303	8-719-911-19	a	ISS119		IC113	8-759-916-20	a	SN74HC14N(TI)
D304	8-719-911-19	a	ISS119		IC114	8-759-208-10	a	TC4053BPH(TOSHIBA)
D305	8-719-911-19	a	ISS119		IC115	8-759-208-10	a	TC4053BPH(TOSHIBA)
D306	8-719-911-19	a	ISS119		IC116	8-759-202-14	a	TC74HC08P(TOSHIBA)
					IC118	8-759-345-38	a	HD14538BP(ELIACHI)
					IC201	8-759-981-64	a	LM2903NQ(RAYTHEON)
					IC202	8-759-132-40	a	uPC324C(NEC)

Ref No.	Parts No.	SP	Description	Ref No.	Parts No.	SP	Description
IC203	8-759-981-64	■	LM2903DQ(RAYTHEON)	L101	1-459-155-00	■	(WITH CORE) 45
IC204	8-759-240-71	■	TC4071BP(TOSHIBA)	L701	1-459-155-00	■	(WITH CORE) 45
IC205	8-759-207-73	■	TC4030BPHB(TOSHIBA)	L702	1-459-155-00	■	(WITH CORE) 45
IC207	8-759-345-38	■	HD14538BP(HITACHI)	L703	1-459-155-00	■	(WITH CORE) 45
IC208	8-759-981-64	■	LM2903DQ(RAYTHEON)	L704	1-459-155-00	■	(WITH CORE) 45
IC209	8-759-981-64	■	LM2903DQ(RAYTHEON)	Q101	8-729-900-36	■	DTIC124ES
IC210	8-759-910-43	■	CX23028(SONY)	Q102	8-729-900-63	■	DTAI24ES
IC211	8-759-916-20	■	SN74HC14N(TI)	Q103	8-729-900-36	■	DTIC124ES
IC301	8-752-811-83	■	CX80116-159Q(SONY)	Q104	8-729-178-54	■	28C2785
IC302	8-759-938-68	■	CXD1095Q(SONY)	Q105	8-729-178-54	■	28C2785
IC303	8-743-915-10	■	8X3915A(SONY)	Q201	8-729-178-54	■	28C2785
IC304	8-759-922-36	■	CX20060(SONY)	Q302	8-729-201-05	■	28C2878-B
IC306	8-759-345-38	■	HD14538BP(HITACHI)	Q303	8-729-178-54	■	28C2785
IC307	8-759-202-74	■	TC74HC04P(TOSHIBA)	Q304	8-729-900-36	■	DTIC124ES
IC308	8-752-330-59	■	CXK1011P(SONY)	Q305	8-729-900-36	■	DTIC124ES
IC309	8-759-977-78	■	M288342(FUJITSU)	Q306	8-729-900-36	■	DTIC124ES
IC310	8-759-145-58	■	uPC4558C(NEC)	Q310	8-729-900-36	■	DTIC124ES
IC311	8-759-345-38	■	HD14538BP(HITACHI)	Q401	8-729-178-54	■	28C2785
IC313	8-759-981-64	■	LM2903DQ(RAYTHEON)	Q402	8-729-117-54	■	28A1175-F
IC314	8-759-140-17	■	uPD4017BC(NEC)	Q403	8-729-900-36	■	DTIC124ES
25)IC401	8-759-113-03	■	uPD7831OCW(NEC)	Q404	8-729-900-36	■	DTIC124ES
26)IC401	8-759-153-81	■	uPD7831OACW(NEC)	Q405	8-729-900-36	■	DTIC124ES
IC402	8-759-202-89	■	TC74HC139P(TOSHIBA)	Q406	8-729-900-63	■	DTAI24ES
IC403	8-759-202-26	■	TC74HC139P(TOSHIBA)	Q407	8-729-178-54	■	28C2785
IC404	8-752-321-02	■	CXK3816PW-15L(SONY)	Q408	8-729-900-63	■	DTAI24ES
IC405	8-759-558-14	■	27C128-SV113-V105	Q409	8-729-900-36	■	DTIC124ES
IC406	8-759-203-35	■	TC74HC373P(TOSHIBA)	Q410	8-729-900-36	■	DTIC124ES
IC407	8-759-203-68	■	TC74HC404P(TOSHIBA)	Q502	8-729-900-36	■	DTIC124ES
IC408	8-759-202-13	■	TC74HC04P(TOSHIBA)	Q503	8-729-201-05	■	28C2878-B
IC409	8-759-982-25	■	RC78L09A(RAYTHEON)	Q504	8-729-900-63	■	DTAI24ES
IC410	8-759-132-40	■	uPC324C(NEC)	Q505	8-729-201-05	■	28C2878-B
IC411	8-759-145-58	■	uPC4558C(NEC)	Q506	8-729-900-63	■	DTAI24ES
IC412	8-752-806-91	■	CXQ71054P(SONY)	Q507	8-729-201-05	■	28C2878-B
IC413	8-759-202-37	■	TC74HC404P(TOSHIBA)	Q508	8-729-201-05	■	28C2878-B
IC414	8-759-202-37	■	TC74HC404P(TOSHIBA)	Q514	8-729-178-54	■	28C2785
IC415	8-759-202-56	■	TC74HC245P(TOSHIBA)	Q601	8-729-178-54	■	28C2785
IC416	8-759-208-10	■	TC4053BPHB(TOSHIBA)	Q602	8-729-178-54	■	28C2785
IC417	8-759-203-33	■	TC74HC367P(TOSHIBA)	Q606	8-729-900-63	■	DTAI24ES
IC418	8-759-345-38	■	HD14538BP(HITACHI)	Q607	8-729-900-36	■	DTIC124ES
IC501	8-759-990-84	■	TL084CN(TI)	R114	1-247-887-00	■	CARBON 220k 5% 1/4W
IC502	8-759-132-40	■	uPC324C(NEC)	R124	1-247-903-00	■	CARBON 1 5% 1/4W
IC503	8-759-145-58	■	uPC4558C(NEC)	R132	1-247-887-00	■	CARBON 220k 5% 1/4W
IC504	8-759-990-84	■	TL084CN(TI)	R204	1-247-903-00	■	CARBON 1 5% 1/4W
IC505	8-759-145-58	■	uPC4558C(NEC)	R210	1-247-895-00	■	CARBON 470k 5% 1/4W
IC506	8-759-208-10	■	TC4053BPHB(TOSHIBA)	R222	1-247-903-00	■	CARBON 1 5% 1/4W
IC507	8-759-910-43	■	CX23028(SONY)	R228	1-247-895-00	■	CARBON 470k 5% 1/4W
IC508	8-759-981-64	■	LM2903DQ(RAYTHEON)	R242	1-247-887-00	■	CARBON 220k 5% 1/4W
IC509	8-759-981-64	■	LM2903DQ(RAYTHEON)	R253	1-247-887-00	■	CARBON 220k 5% 1/4W
25)IC601	8-759-007-40	■	TL082CP(TI)	R260	1-247-887-00	■	CARBON 220k 5% 1/4W
26)IC601	8-759-990-82	■	TL082CP(TI)				
25)IC602	8-759-007-40	■	TL082CP(CHOTOROLA)				
26)IC602	8-759-990-82	■	TL082CP(TI)				
27)IC603	8-757-928-00	■	CX7928(SONY)				
28)IC603	8-752-037-23	■	CX7928A(SONY)				

Ref No. Parts No. SP Description

R353 1-247-899-11 ■ CARBON 680k 5X 1/4W  
 R367 1-247-903-00 ■ CARBON 1 5X 1/4W  
 R389 1-247-820-11 ■ CARBON 360 5X 1/4W  
 R416 1-247-903-00 ■ CARBON 1 5X 1/4W  
 R434 1-247-887-00 ■ CARBON 220k 5X 1/4W

R439 1-247-887-00 ■ CARBON 220k 5X 1/4W  
 R440 1-247-883-00 ■ CARBON 150k 5X 1/4W  
 R448 1-247-887-00 ■ CARBON 220k 5X 1/4W  
 R501 1-247-747-11 ■ CARBON 470 5X 1/2W  
 R502 1-247-747-11 ■ CARBON 470 5X 1/2W

R509 1-247-903-00 ■ CARBON 1M 5X 1/4W  
 R511 1-247-887-00 ■ CARBON 220k 5X 1/4W  
 R513 1-247-895-00 ■ CARBON 470k 5X 1/4W  
 R515 1-247-895-00 ■ CARBON 470k 5X 1/4W  
 R537 1-247-903-00 ■ CARBON 1M 5X 1/4W

R563 1-247-895-00 ■ CARBON 470k 5X 1/4W  
 R566 1-247-903-00 ■ CARBON 1M 5X 1/4W  
 R568 1-247-885-00 ■ CARBON 180k 5X 1/4W  
 R570 1-247-889-00 ■ CARBON 270k 5X 1/4W  
 R574 1-247-903-00 ■ CARBON 1M 5X 1/4W

R585 1-247-883-00 ■ CARBON 150k 5X 1/4W  
 R587 1-247-885-00 ■ CARBON 180k 5X 1/4W  
 R609 1-247-891-00 ■ CARBON 330k 5X 1/4W  
 R629 1-247-903-00 ■ CARBON 1M 5X 1/4W  
 R701 1-532-675-00 ■ LINK, IC

R702 1-532-675-00 ■ LINK, IC  
 R703 1-532-675-00 ■ LINK, IC  
 R704 1-532-675-00 ■ LINK, IC  
 R906 1-247-899-11 ■ CARBON 680k 5X 1/4W  
 R908 1-247-899-11 ■ CARBON 680k 5X 1/4W

RB101 1-231-411-00 ■ RESISTOR BLOCK 100k  
 RB401 1-231-411-00 ■ RESISTOR BLOCK 100k

RV301 1-230-498-11 ■ VAR, METAL GLAZE 47k  
 RV502 1-228-994-00 ■ VAR, CARBON 10k  
 RV503 1-228-994-00 ■ VAR, CARBON 10k  
 RV601 1-228-998-00 ■ VAR, CARBON 220k

S101 1-570-623-11 ■ DIP  
 S102 1-554-303-21 ■ KEY BOARD "INC/START"  
 S103 1-554-303-21 ■ KEY BOARD "DEC"  
 S301 1-552-509-00 ■ DIP  
 S302 1-552-539-00 ■ KEY BOARD "WR"

X301 1-567-962-11 ■ VIBRATOR, CRYSTAL 8MHz  
 X401 1-567-865-11 ■ VIBRATOR, CRYSTAL 12MHz  
 X601 1-567-504-11 ■ VIBRATOR, CRYSTAL 4.433619MHz

Ref No. Parts No. SP Description

FRAME

A-6709-616-A ■ HEAD DRUM ASS'Y DUM-44A-R  
 A-6709-617-A ■ UPPER DRUM ASS'Y DUM-44-R

1-559-298-11 ○ CABLE, FLAT 10P  
 (KY-101 to SV-102)

CN912 1-562-227-41 ■ RECEPTACLE, RMC  
 "VIDEO IN"  
 CN913 1-562-227-41 ■ RECEPTACLE, RMC  
 "VIDEO IN"  
 CN914 1-562-227-41 ■ RECEPTACLE, RMC  
 "REF VIDEO IN (EXT SYNC IN)"  
 CN915 1-562-227-41 ■ RECEPTACLE, RMC  
 "REF VIDEO IN (EXT SYNC IN)"  
 CN917 1-561-577-21 ■ 0P(DIP TYPE)  
 "MONITOR"

CN918 1-561-045-00 ■ 7P(F) "DUB IN"  
 CN919 1-566-622-11 ■ 7P(M) "DUB OUT"  
 CN920 1-562-227-41 ■ RECEPTACLE, RMC  
 "VIDEO OUT 1"  
 CN921 1-562-227-41 ■ RECEPTACLE, RMC  
 "VIDEO OUT 2"

CN922 1-562-227-41 ■ RECEPTACLE, RMC  
 "MONITOR VIDEO"  
 CN923 1-562-227-41 ■ RECEPTACLE, RMC  
 "REF VIDEO OUT"  
 CN924 1-562-227-21 ■ RECEPTACLE, RMC  
 "RF (OFF TAPE)"  
 CN925 1-562-227-21 ■ RECEPTACLE, RMC  
 "TIME CODE IN"  
 CN926 1-562-227-21 ■ RECEPTACLE, RMC  
 "TIME CODE OUT"

CN927 1-563-029-21 ■ RECEPTACLE, XLR,3P(F)  
 "AUDIO IN CH-1/L"  
 CN928 1-563-029-21 ■ RECEPTACLE, XLR,3P(F)  
 "AUDIO IN CH-2/R"  
 CN929 1-563-030-21 ■ RECEPTACLE, XLR,3P(M)  
 "AUDIO OUT CH-1/L"  
 CN930 1-563-030-21 ■ RECEPTACLE, XLR,3P(M)  
 "AUDIO OUT CH-2/R"  
 CN931 1-563-030-21 ■ RECEPTACLE, XLR,3P(M)  
 "AUDIO OUT MONITOR"

CN932 1-509-546-11 ■ AC INLET "AC IN"

CN934 1-560-769-00 ■ 15P, PLUG "TBC REMOTE"

AF1 1-532-350-00 ■ FUSE, GLASS TUBE 4A

H1002 8-825-578-30 ■ ACE, EPS264-5803A  
 "AUDIO/CTL/ERASE"  
 H1003 8-825-544-20 ■ ERASE, FP232-58  
 "FULL ERASE"  
 H1004 8-825-771-31 ■ FP295-58  
 "TIME CODE"

# 18-4. PACKING MATERIAL AND ACCESSORIES (SUPPLIED)

Ref No.	Parts No.	SP	Description
J1	1-507-553-00	#	JACK "HEADPHONES"
M1001	8-835-258-02	#	DC, BRH-1915B "CAPSTAN"
M1002	8-835-235-01	#	DC, MNR-2900B "T-REEL"
M1003	8-835-235-01	#	DC, MNR-2900B "S-REEL"
M1004	8-835-055-01	#	DC, DNE-4700A "LOADING"
M1005	8-835-179-01	#	DC, MCB23-15 "CASSETTE COMPARTMENT"
M1006	1-541-431-31	#	DC "FAN"
ME1001	1-520-393-00	#	"AUDIO CH-1"
ME1002	1-520-393-00	#	"AUDIO CH-2"
ME1003	1-520-440-00	#	"VIDEO/RF"

PM1001	1-454-417-31	#	12V 12/90ohm "S-BRAKE"
PM1002	1-454-417-31	#	12V 12/90ohm "T-BRAKE"
PM1003	1-454-416-31	#	12V 7/35ohm "FINCH"

PM1001	1-570-117-11	#	ROCKER "POWER"
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Part No.	SP	Description
A-6729-494-A	#	EXTENSION BOARD, EX-127
A-6729-495-A	#	EXTENSION BOARD, EX-128
1-590-910-11	#	CORD, POWER (3CORE) (for EK)
1-537-377-11	#	CORD, POWER (3CORE) (for U)
1-555-873-13	#	CABLE, REMOTE CONTROL 9P
3-688-884-01	o	CUSHION, UPPER
3-688-885-01	o	CUSHION, LOWER
3-701-625-00	#	BAG, POLY (FOR EX-127)
3-701-632-00	#	BAG, POLY (FOR MANUAL)
3-701-634-00	#	BAG, POLY (FOR EX-128)
3-701-649-00	#	BAG, POLY (FOR VTR)
3-718-782-01	#	INDIVIDUAL CARTON
3-718-784-01	#	SLEEVE
3-718-785-01	#	SPACER
Standard		DUBBING CABLE, VDC-5
Products		
1-508-948-00	#	CONNECTOR, MALE
1-561-055-00	#	CONNECTOR, FEMALE

# 18-5. FIXTURE (OPTION)

Part No.	SP	Description
J-6001-820-A	#	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	#	DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A	#	DRUM ECCENTRICITY GAUGE (1)
J-6001-930-A	#	DRUM ECCENTRICITY GAUGE (4)
J-6009-830-A	#	FLATNESS PLATE
J-6026-240-A	#	ADJUSTMENT DRIVER
J-6130-010-A	#	REEL TABLE HEIGHT CHECK BASE GAUGE
J-6130-020-A	#	REEL TABLE HEIGHT CHECK GAUGE
J-6150-140-A	#	ECCENTRIC SCREWDRIVER (6 MM DIA.)
J-6153-020-A	#	DIBEDRAL ADJUSTMENT SCREWDRIVER
J-6153-720-A	#	REEL MOTOR SHAFT SLANTNESS ADJUSTMENT GAUGE
J-6153-730-A	#	HEXAGONAL SCREWDRIVER (1.27 MM)
Y-2031-001-0	#	CLEANING FLUID
2-034-697-00	#	CLEANING PIECE
3-702-390-01	#	ECCENTRIC SCREWDRIVER (4 MM DIA.)
3-702-391-01	#	ECCENTRIC SCREWDRIVER (5 MM DIA.)
7-700-736-01	#	L-SHAPED HEXAGONAL WRENCH (1.27 mm)
7-700-736-05	#	L-SHAPED HEXAGONAL WRENCH (1.5 mm)
7-723-902-00	#	DENTAL MIRROR
7-732-050-30	#	TENSION SCALE (100G FULL SCALE)
7-732-050-40	#	TENSION SCALE (200G FULL SCALE)
8-960-012-83	#	ALIGNMENT TAPE, RE5-3SD PAL
8-960-036-02	#	ALIGNMENT TAPE, RE2-1SD PAL
8-960-036-01	#	ALIGNMENT TAPE, RE5-1SD PAL
8-899-999-53	#	TORQUE MEASUREMENT TAPE (100 MM DIA.)
9-911-053-00	#	THICKNESS GAUGE
Standard		HEAD DEMAGNETIZER, HE-4
Products		

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".